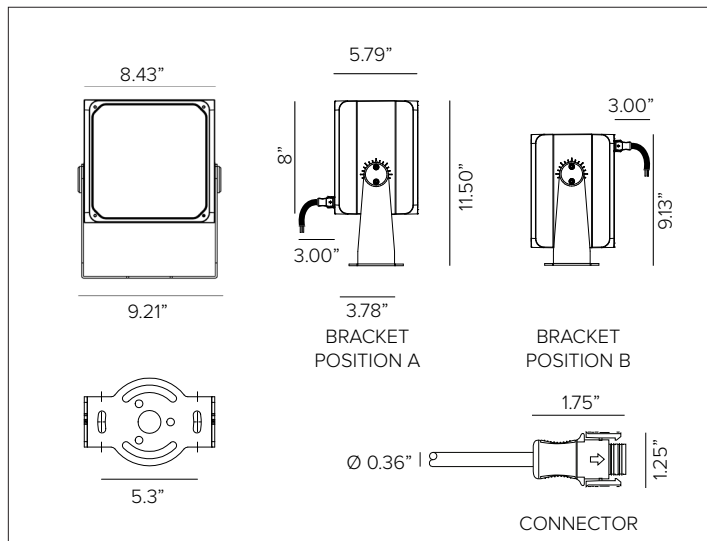


# DART MAXI

## Professional Adjustable Projector Floodlight



DART MAXI Shown in Ferrite Dark Grey Finish.



### CONCEPT

Small footprint fully adjustable LED floodlight projector.

### MECHANICAL CHARACTERISTICS

|                         |   |
|-------------------------|---|
| <b>Housing</b>          | 8.43"W X 5.79"D   |
| <b>Materials</b>        | Die-cast aluminum powder coated body and joints for maximum heat dissipation. Marine Grade cataphoresis <sup>®</sup> available as optional.                               |
| <b>Finish</b>           | Textured finish.<br><ul style="list-style-type: none"> <li>● Ferrite Dark Grey    ● Heritage Brown    ● Bronze</li> <li>● Black    ● White    ● Sandstone Grey</li> </ul> |
| <b>Power Connection</b> | Cabled with 10ft SJ00W 16-6 cable and DSMT anti-wicking quick disconnect.   |
| <b>Functionality</b>    | Adjustable up to ±45° on the horizontal plane with slotted mounting base and +90°/45° 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>           | 13lbs   |
| <b>Protection</b>       | IP66  |
| <b>Impact</b>           | IK10  |

### CERTIFICATIONS

cULus 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

### ELECTRICAL CHARACTERISTICS

|                     |  |
|---------------------|--|
| <b>Power Supply</b> | Integrated 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase) or DALI dimmable driver. 0-10V only available with 69W version. |
| <b>Wattage</b>      | 27W / 36W (NSP), 54W / 69W nominal (SP / FL / MWFL / WFL / ASYM)   |
| <b>Voltage</b>      | Universal Voltage 120-277V AC 50/60Hz  |

### SOURCE

High efficiency LED Chip on Board.

| TM30 | CCT (Nominal) | CRI | Rf | Rg | SDCM |
|------|---------------|-----|----|----|------|
|      | 2700K         | 81  | 80 | 97 | 2    |
|      | 3000K         | 82  | 82 | 97 | 2    |
|      | 3500K         | 82  | 81 | 97 | 2    |
|      | 4000K         | 82  | 81 | 97 | 2    |

*Ra90 available upon request*

### OPTIC

Optical system is dependent on beam angle. NSP version comprised of an indirect optic with a LED module directed towards the reflective anodized aluminum parabolic reflector, a transparent PMMA refractive lens and TACS (Targetti advanced cooling system). SP and FL versions comprised of a hybrid optic with anodized mirrored aluminum reflector, optical glass lenses, a black anodized aluminum lens holder and a holographic filter. MWFL and WFL versions comprised of precision optics with convex reflective anodized aluminum facets and a holographic lens. ASYM version comprised of reflective pre-anodized brushed aluminum optic.

| Beam  | NSP<br>8°   | SP<br>20° | FL<br>28° | MWFL<br>43° | WFL<br>59° | ASYM<br>40°x70° |
|---|---|-----------|-----------|-------------|------------|-----------------|
| <b>Delivered Lumens</b>   | <b>3000K</b> 2439Lm   | 4621Lm    | 5194Lm    | 6262Lm      | 6271Lm     | 7416Lm          |
| <small>Data represents max output version only, refer to photometry section for all fixture variations.</small>                   | <b>4000K</b> 2458Lm   | 4732Lm    | 5318Lm    | 6411Lm      | 6421Lm     | 7593Lm          |
| <small>For 2700K lumen values use multiplier of 0.96 from 3000K For 3500K lumen values use multiplier of 1.02 from 3000K.</small> |   |           |           |             |            |                 |
| <b>Efficacy</b>   | 119Lm/W max. Refer to photometric graphs for specific values.   |           |           |             |            |                 |
| <b>Lifetime</b>   | NSP 69W: L90/B10 30,000hrs / L87/B10 50,000hrs at max TA +25°C<br>SP 69W: L82/B1030,000hrs / L73/B10 50,000hrs at max TA +25°C<br>FL 69W: L83/B10 30,000hrs / L74/B10 50,000hrs at max TA +25°C<br>MWFL / WFL / ASYM 69W: L84/B10 30,000hrs / L76/B10 50,000hrs at max TA +25°C |           |           |             |            |                 |
| <b>Photobiological Classification</b>   | Low risk safety RG1   |           |           |             |            |                 |

# DART MAXI

## SPECIFICATION INFORMATION

|     |   |   |   |   |   |   |   |   |
|-----|---|---|---|---|---|---|---|---|
| DAL |   |   |   |   |   |   |   |   |
| 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

Ex: DAL4IFEL2SP30

OPTIONAL

| 1 - PRODUCT CODE | 2 - DRIVER   | 3 - FINISH   | 4 - WATTAGE  | 5 - OPTIC   | 6 - KELVIN   |  |
|------------------|--|--|--|---|--|--|
| DAL — DART MAXI  | <b>41</b> — 4/1 Smart Dimming<br><i>(Non-Dimming / 0-10V / Reverse Phase / Forward Phase)</i><br><br><b>DA</b> — DALI<br><br><b>10<sup>E</sup></b> — 0-10V<br><br><b>DA</b> — DALI | <b>FE</b> — Ferrite Dark Grey<br><br><b>HB</b> — Heritage Brown<br><br><b>BZ</b> — Bronze<br><br><b>WT</b> — White<br><br><b>BT</b> — Black<br><br><b>SG</b> — Sandstone Grey<br><br><b>RAL</b> — <a href="#">Custom RAL</a> | <b>L1<sup>C</sup></b> — 27W<br><br><b>L2<sup>C</sup></b> — 36W<br><br><b>L3<sup>D</sup></b> — 54W<br><br><b>L5<sup>F</sup></b> — 69W   | <b>NS<sup>B</sup></b> — NSP 8°<br><br><b>SP</b> — SP 20°<br><br><b>FL</b> — FL 28°<br><br><b>MW</b> — MWFL 43°<br><br><b>WF</b> — WFL 59°<br><br><b>AS</b> — ASYM 40°x70°             | <b>27</b> — 2700K<br><br><b>30</b> — 3000K<br><br><b>35</b> — 3500K<br><br><b>40</b> — 4000K |  |
|                  |  | 7 - OPTIONAL   | 8 - OPTICAL ACCESSORIES  | 9 - INSTALLATION ACCESSORIES  |  |  |
|                  |  | <b>MG<sup>G</sup></b> — Marine Grade   | <u>Filter Holder Ring</u><br><i>See section for details</i><br><br><u>Blade of Light Linear Spread Lens</u><br><i>See section for details</i><br><br><u>Anti-glare Louver</u><br><i>See section for details</i><br><br><u>Asymmetric Snoot</u><br><i>See section for details</i> | <u>Rotational Bracket</u><br><i>See section for details</i><br><br><u>Earth spike</u><br><i>See section for details</i><br><br><u>Laser Pointer</u><br><i>See section for details</i> |  |  |

<sup>B</sup> NSP optic not available in 2700K or 3500K.

<sup>C</sup> 27W and 36W available in NSP optic only.

<sup>D</sup> 54W and 69W available in SP / FL / MWFL / WFL / ASYM optics only.

<sup>E</sup> 0-10V only available with 69W version.

<sup>F</sup> 69W available with 0-10V or DALI driver only. Available in SP / FL / MWFL / WFL / ASYM optics only.

<sup>G</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 cathaphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

## OPTIC VERSIONS

NSP OPTIC ONLY



SP / FL OPTICS



MWFL / WFL OPTICS



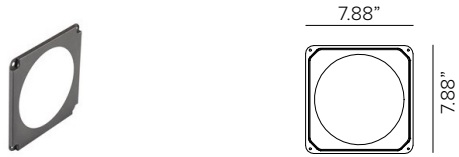
ASYM OPTIC ONLY



# DART MAXI

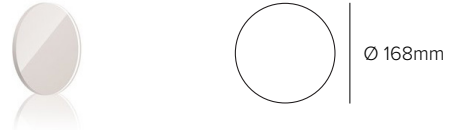
## 8 – OPTICAL ACCESSORIES (OPTIONAL)

MAXIMUM OF TWO ACCESSORIES PER FIXTURE.



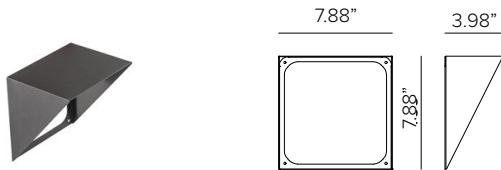
Filter holder ring, CNC machined anodized and powder coated aluminum. **Required for use of all filters.**

Part No. **1E3093** (\*)



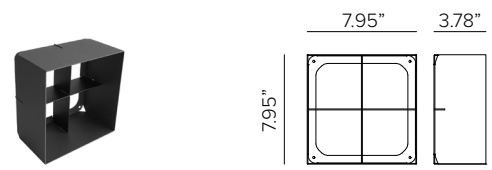
'Blade of Light' linear spread lens. PMMA holographic filter. **Not suitable for use with NSP and AYSM optics. To be completed with 1E3093 dedicated holder ring. Does not apply toward maximum accessory count.**

Part No. **1E3094**



Asymmetric snoot. Powder coated stainless steel. Cutoff 44.6°. **Not compatible with 1E3096.**

Part No. **1E3095** (\*)

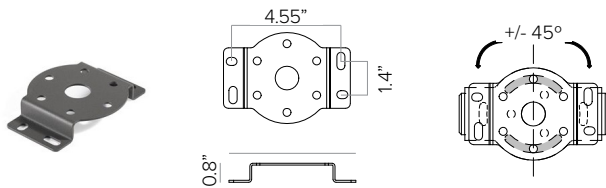


Anti glare louver with removable baffles for different levels of glare control. Powder coat stainless steel. Cutoff 47.3°. **Not compatible with 1E3095.**

Part No. **1E3096** (\*)

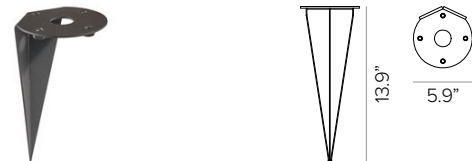
## 9 – INSTALLATION ACCESSORIES (OPTIONAL)

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. **1E3188** (\*)



Laser pointing system. To be installed by friction on the projector's body. Powder coated stainless steel. Provided with laser. **Does not apply toward maximum accessory count.**

Part No. **1E3098**



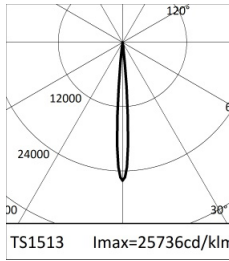
- Ferrite Dark Grey (Default)
- Heritage Brown (HB)\*
- Bronze (BZ)\*
- White (WT)\*
- Black (BT)\*
- Sandstone Grey (SG)\*

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

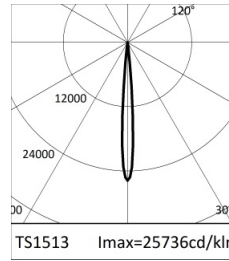
# DART MAXI

## PHOTOMETRY

### NARROW SPOT



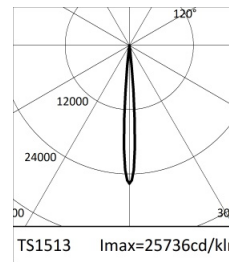
| 3000K         |                               | H(m)             | D(m)    | Emax(lx) |      |      |
|---------------|-------------------------------|------------------|---------|----------|------|------|
| Ra80          |                               |                  | 8°      |          |      |      |
| Fixture Power | 27W                           | 1                | 0.15    | 91261    |      |      |
| Source Flux   | 3546lm                        | 2                | 0.29    | 22815    |      |      |
| Fixture Flux  | 2034lm                        | 3                | 0.44    | 10140    |      |      |
| Efficacy      | 75lm/W                        | 4                | 0.58    | 5704     |      |      |
| TS1513        | I <sub>max</sub> =25736cd/klm | I <sub>max</sub> | 91261cd | 5        | 0.73 | 3650 |



| 4000K         |                               | H(m)             | D(m)    | Emax(lx) |      |      |
|---------------|-------------------------------|------------------|---------|----------|------|------|
| Ra80          |                               |                  | 8°      |          |      |      |
| Fixture Power | 27W                           | 1                | 0.15    | 91982    |      |      |
| Source Flux   | 3574lm                        | 2                | 0.29    | 22995    |      |      |
| Fixture Flux  | 2050lm                        | 3                | 0.44    | 10220    |      |      |
| Efficacy      | 75lm/W                        | 4                | 0.58    | 5749     |      |      |
| TS1513        | I <sub>max</sub> =25736cd/klm | I <sub>max</sub> | 91982cd | 5        | 0.73 | 3679 |

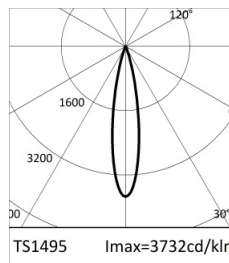


| 3000K         |                               | H(m)             | D(m)     | Emax(lx) |      |      |
|---------------|-------------------------------|------------------|----------|----------|------|------|
| Ra80          |                               |                  | 8°       |          |      |      |
| Fixture Power | 36W                           | 1                | 0.15     | 109405   |      |      |
| Source Flux   | 4251lm                        | 2                | 0.29     | 27351    |      |      |
| Fixture Flux  | 2439lm                        | 3                | 0.44     | 12156    |      |      |
| Efficacy      | 67lm/W                        | 4                | 0.58     | 6838     |      |      |
| TS1513        | I <sub>max</sub> =25736cd/klm | I <sub>max</sub> | 109405cd | 5        | 0.73 | 4376 |

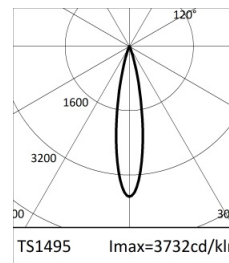


| 4000K         |                               | H(m)             | D(m)     | Emax(lx) |      |      |
|---------------|-------------------------------|------------------|----------|----------|------|------|
| Ra80          |                               |                  | 8°       |          |      |      |
| Fixture Power | 36W                           | 1                | 0.15     | 110280   |      |      |
| Source Flux   | 4285lm                        | 2                | 0.29     | 27570    |      |      |
| Fixture Flux  | 2458lm                        | 3                | 0.44     | 12253    |      |      |
| Efficacy      | 68lm/W                        | 4                | 0.58     | 6893     |      |      |
| TS1513        | I <sub>max</sub> =25736cd/klm | I <sub>max</sub> | 110280cd | 5        | 0.73 | 4411 |

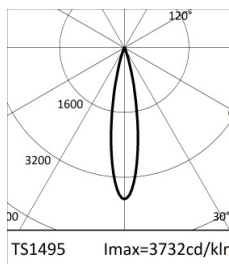
### SPOT



| 3000K         |                              | H(m)             | D(m)    | Emax(lx) |      |      |
|---------------|------------------------------|------------------|---------|----------|------|------|
| Ra80          |                              |                  | 20°     |          |      |      |
| Fixture Power | 54W                          | 1                | 0.35    | 27248    |      |      |
| Source Flux   | 7302lm                       | 2                | 0.70    | 6812     |      |      |
| Fixture Flux  | 3898lm                       | 3                | 1.05    | 3028     |      |      |
| Efficacy      | 72lm/W                       | 4                | 1.40    | 1703     |      |      |
| TS1495        | I <sub>max</sub> =3732cd/klm | I <sub>max</sub> | 27248cd | 5        | 1.75 | 1090 |



| 4000K         |                              | H(m)             | D(m)    | Emax(lx) |      |      |
|---------------|------------------------------|------------------|---------|----------|------|------|
| Ra80          |                              |                  | 20°     |          |      |      |
| Fixture Power | 54W                          | 1                | 0.35    | 27901    |      |      |
| Source Flux   | 7477lm                       | 2                | 0.70    | 6975     |      |      |
| Fixture Flux  | 3991lm                       | 3                | 1.05    | 3100     |      |      |
| Efficacy      | 74lm/W                       | 4                | 1.40    | 1744     |      |      |
| TS1495        | I <sub>max</sub> =3732cd/klm | I <sub>max</sub> | 27901cd | 5        | 1.75 | 1116 |



| 3000K         |                              | H(m)             | D(m)    | Emax(lx) |      |      |
|---------------|------------------------------|------------------|---------|----------|------|------|
| Ra80          |                              |                  | 20°     |          |      |      |
| Fixture Power | 69W                          | 1                | 0.35    | 32304    |      |      |
| Source Flux   | 8657lm                       | 2                | 0.70    | 8076     |      |      |
| Fixture Flux  | 4621lm                       | 3                | 1.05    | 3589     |      |      |
| Efficacy      | 67lm/W                       | 4                | 1.40    | 2019     |      |      |
| TS1495        | I <sub>max</sub> =3732cd/klm | I <sub>max</sub> | 32304cd | 5        | 1.75 | 1292 |

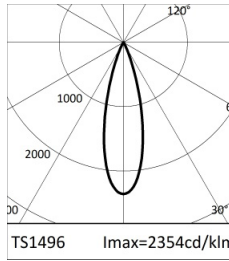


| 4000K         |                              | H(m)             | D(m)    | Emax(lx) |      |      |
|---------------|------------------------------|------------------|---------|----------|------|------|
| Ra80          |                              |                  | 20°     |          |      |      |
| Fixture Power | 69W                          | 1                | 0.35    | 33077    |      |      |
| Source Flux   | 8864lm                       | 2                | 0.70    | 8269     |      |      |
| Fixture Flux  | 4732lm                       | 3                | 1.05    | 3675     |      |      |
| Efficacy      | 69lm/W                       | 4                | 1.40    | 2067     |      |      |
| TS1495        | I <sub>max</sub> =3732cd/klm | I <sub>max</sub> | 33077cd | 5        | 1.75 | 1323 |

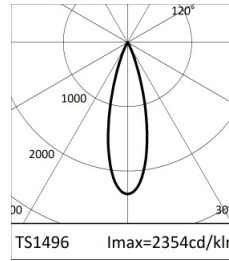
# DART MAXI

## PHOTOMETRY

### FLOOD



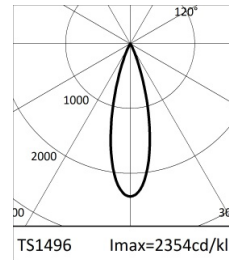
| 3000K         |                 | H(m) | D(m)    | Emax(lx) |      |
|---------------|-----------------|------|---------|----------|------|
| Ra80          |                 |      | 28°     |          |      |
| Fixture Power | 54W             | 1    | 0.50    | 17189    |      |
| Source Flux   | 7302lm          | 2    | 1.01    | 4297     |      |
| Fixture Flux  | 4381lm          | 3    | 1.51    | 1910     |      |
| Efficacy      | 81lm/W          | 4    | 2.02    | 1074     |      |
| TS1496        | Imax=2354cd/klm | Imax | 17189cd | 5        | 2.52 |
|               |                 |      |         |          | 688  |



| 4000K         |                 | H(m) | D(m)    | Emax(lx) |      |
|---------------|-----------------|------|---------|----------|------|
| Ra80          |                 |      | 28°     |          |      |
| Fixture Power | 54W             | 1    | 0.50    | 17601    |      |
| Source Flux   | 7477lm          | 2    | 1.01    | 4400     |      |
| Fixture Flux  | 4486lm          | 3    | 1.51    | 1956     |      |
| Efficacy      | 83lm/W          | 4    | 2.02    | 1100     |      |
| TS1496        | Imax=2354cd/klm | Imax | 17601cd | 5        | 2.52 |
|               |                 |      |         |          | 704  |

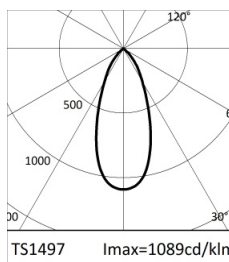


| 3000K         |                 | H(m) | D(m)    | Emax(lx) |      |
|---------------|-----------------|------|---------|----------|------|
| Ra80          |                 |      | 28°     |          |      |
| Fixture Power | 69W             | 1    | 0.50    | 20378    |      |
| Source Flux   | 8657lm          | 2    | 1.01    | 5095     |      |
| Fixture Flux  | 5194lm          | 3    | 1.51    | 2264     |      |
| Efficacy      | 75lm/W          | 4    | 2.02    | 1274     |      |
| TS1496        | Imax=2354cd/klm | Imax | 20378cd | 5        | 2.52 |
|               |                 |      |         |          | 815  |

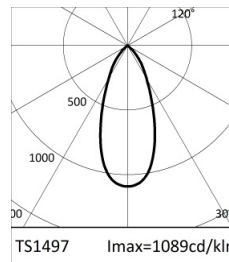


| 4000K         |                 | H(m) | D(m)    | Emax(lx) |      |
|---------------|-----------------|------|---------|----------|------|
| Ra80          |                 |      | 28°     |          |      |
| Fixture Power | 69W             | 1    | 0.50    | 20866    |      |
| Source Flux   | 8864lm          | 2    | 1.01    | 5216     |      |
| Fixture Flux  | 5318lm          | 3    | 1.51    | 2318     |      |
| Efficacy      | 77lm/W          | 4    | 2.02    | 1304     |      |
| TS1496        | Imax=2354cd/klm | Imax | 20866cd | 5        | 2.52 |
|               |                 |      |         |          | 835  |

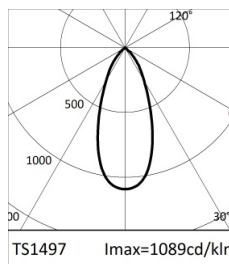
### MEDIUM WIDE FLOOD



| 3000K         |                 | H(m) | D(m)   | Emax(lx) |      |
|---------------|-----------------|------|--------|----------|------|
| Ra80          |                 |      | 43°    |          |      |
| Fixture Power | 54W             | 1    | 0.79   | 7950     |      |
| Source Flux   | 7302lm          | 2    | 1.58   | 1987     |      |
| Fixture Flux  | 5282lm          | 3    | 2.37   | 883      |      |
| Efficacy      | 98lm/W          | 4    | 3.15   | 497      |      |
| TS1497        | Imax=1089cd/klm | Imax | 7950cd | 5        | 3.94 |
|               |                 |      |        |          | 318  |



| 4000K         |                 | H(m) | D(m)   | Emax(lx) |      |
|---------------|-----------------|------|--------|----------|------|
| Ra80          |                 |      | 43°    |          |      |
| Fixture Power | 54W             | 1    | 0.79   | 8140     |      |
| Source Flux   | 7477lm          | 2    | 1.58   | 2035     |      |
| Fixture Flux  | 5408lm          | 3    | 2.37   | 904      |      |
| Efficacy      | 100lm/W         | 4    | 3.15   | 509      |      |
| TS1497        | Imax=1089cd/klm | Imax | 8140cd | 5        | 3.94 |
|               |                 |      |        |          | 326  |



| 3000K         |                 | H(m) | D(m)   | Emax(lx) |      |
|---------------|-----------------|------|--------|----------|------|
| Ra80          |                 |      | 43°    |          |      |
| Fixture Power | 69W             | 1    | 0.79   | 9425     |      |
| Source Flux   | 8657lm          | 2    | 1.58   | 2356     |      |
| Fixture Flux  | 6262lm          | 3    | 2.37   | 1047     |      |
| Efficacy      | 91lm/W          | 4    | 3.15   | 589      |      |
| TS1497        | Imax=1089cd/klm | Imax | 9425cd | 5        | 3.94 |
|               |                 |      |        |          | 377  |

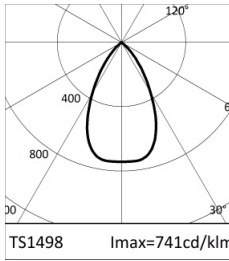


| 4000K         |                 | H(m) | D(m)   | Emax(lx) |      |
|---------------|-----------------|------|--------|----------|------|
| Ra80          |                 |      | 43°    |          |      |
| Fixture Power | 69W             | 1    | 0.79   | 9651     |      |
| Source Flux   | 8864lm          | 2    | 1.58   | 2413     |      |
| Fixture Flux  | 6411lm          | 3    | 2.37   | 1072     |      |
| Efficacy      | 93lm/W          | 4    | 3.15   | 603      |      |
| TS1497        | Imax=1089cd/klm | Imax | 9651cd | 5        | 3.94 |
|               |                 |      |        |          | 386  |

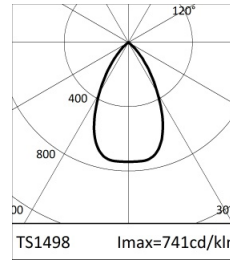
# DART MAXI

## PHOTOMETRY

### WIDE FLOOD



| 3000K         |                             | H(m)             | D(m)   | Emax(lx) |          |
|---------------|-----------------------------|------------------|--------|----------|----------|
| Ra80          |                             |                  | 59°    |          |          |
| Fixture Power | 54W                         | 1                | 1.14   | 5413     |          |
| Source Flux   | 7302lm                      | 2                | 2.28   | 1353     |          |
| Fixture Flux  | 5290lm                      | 3                | 3.42   | 601      |          |
| Efficacy      | 98lm/W                      | 4                | 4.56   | 338      |          |
| TS1498        | I <sub>max</sub> =741cd/klm | I <sub>max</sub> | 5414cd | 5        | 5.70 217 |



| 4000K         |                             | H(m)             | D(m)   | Emax(lx) |          |
|---------------|-----------------------------|------------------|--------|----------|----------|
| Ra80          |                             |                  | 59°    |          |          |
| Fixture Power | 54W                         | 1                | 1.14   | 5543     |          |
| Source Flux   | 7477lm                      | 2                | 2.28   | 1386     |          |
| Fixture Flux  | 5416lm                      | 3                | 3.42   | 616      |          |
| Efficacy      | 100lm/W                     | 4                | 4.56   | 346      |          |
| TS1498        | I <sub>max</sub> =741cd/klm | I <sub>max</sub> | 5544cd | 5        | 5.70 222 |

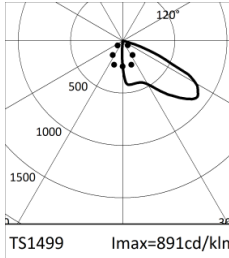


| 3000K         |                             | H(m)             | D(m)   | Emax(lx) |          |
|---------------|-----------------------------|------------------|--------|----------|----------|
| Ra80          |                             |                  | 59°    |          |          |
| Fixture Power | 69W                         | 1                | 1.14   | 6418     |          |
| Source Flux   | 8657lm                      | 2                | 2.28   | 1604     |          |
| Fixture Flux  | 6271lm                      | 3                | 3.42   | 713      |          |
| Efficacy      | 91lm/W                      | 4                | 4.56   | 401      |          |
| TS1498        | I <sub>max</sub> =741cd/klm | I <sub>max</sub> | 6419cd | 5        | 5.70 257 |

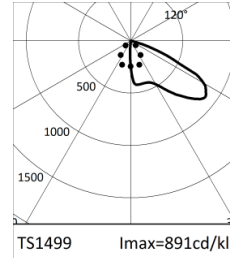


| 4000K         |                             | H(m)             | D(m)   | Emax(lx) |          |
|---------------|-----------------------------|------------------|--------|----------|----------|
| Ra80          |                             |                  | 59°    |          |          |
| Fixture Power | 69W                         | 1                | 1.14   | 6571     |          |
| Source Flux   | 8864lm                      | 2                | 2.28   | 1643     |          |
| Fixture Flux  | 6421lm                      | 3                | 3.42   | 730      |          |
| Efficacy      | 93lm/W                      | 4                | 4.56   | 411      |          |
| TS1498        | I <sub>max</sub> =741cd/klm | I <sub>max</sub> | 6572cd | 5        | 5.70 263 |

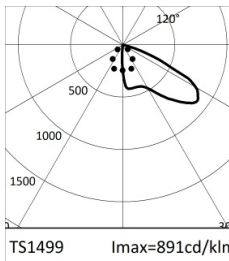
### ASYMMETRIC



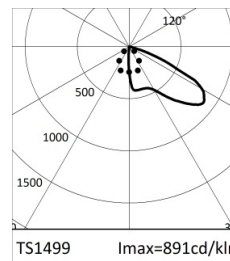
| 3000K         |                             | H(m)             | D1(m)  | D2(m) | Emax(lx)   |     |
|---------------|-----------------------------|------------------|--------|-------|------------|-----|
| Ra80          |                             |                  | 40°    | 70°   |            |     |
| Fixture Power | 54W                         | 1                | 1.78   | 2.34  | 2635       |     |
| Source Flux   | 7302lm                      | 2                | 3.57   | 4.68  | 659        |     |
| Fixture Flux  | 6255lm                      | 3                | 5.35   | 7.01  | 293        |     |
| Efficacy      | 116lm/W                     | 4                | 7.13   | 9.35  | 165        |     |
| TS1499        | I <sub>max</sub> =891cd/klm | I <sub>max</sub> | 6509cd | 5     | 8.91 11.69 | 105 |



| 4000K         |                             | H(m)             | D1(m)  | D2(m) | Emax(lx)   |     |
|---------------|-----------------------------|------------------|--------|-------|------------|-----|
| Ra80          |                             |                  | 40°    | 70°   |            |     |
| Fixture Power | 54W                         | 1                | 1.78   | 2.34  | 2698       |     |
| Source Flux   | 7477lm                      | 2                | 3.57   | 4.68  | 675        |     |
| Fixture Flux  | 6405lm                      | 3                | 5.35   | 7.01  | 300        |     |
| Efficacy      | 119lm/W                     | 4                | 7.13   | 9.35  | 169        |     |
| TS1499        | I <sub>max</sub> =891cd/klm | I <sub>max</sub> | 6665cd | 5     | 8.91 11.69 | 108 |



| 3000K         |                             | H(m)             | D1(m)  | D2(m) | Emax(lx)   |     |
|---------------|-----------------------------|------------------|--------|-------|------------|-----|
| Ra80          |                             |                  | 40°    | 70°   |            |     |
| Fixture Power | 69W                         | 1                | 1.78   | 2.34  | 3124       |     |
| Source Flux   | 8657lm                      | 2                | 3.57   | 4.68  | 781        |     |
| Fixture Flux  | 7416lm                      | 3                | 5.35   | 7.01  | 347        |     |
| Efficacy      | 108lm/W                     | 4                | 7.13   | 9.35  | 195        |     |
| TS1499        | I <sub>max</sub> =891cd/klm | I <sub>max</sub> | 7717cd | 5     | 8.91 11.69 | 125 |



| 4000K         |                             | H(m)             | D1(m)  | D2(m) | Emax(lx)   |     |
|---------------|-----------------------------|------------------|--------|-------|------------|-----|
| Ra80          |                             |                  | 40°    | 70°   |            |     |
| Fixture Power | 69W                         | 1                | 1.78   | 2.34  | 3199       |     |
| Source Flux   | 8864lm                      | 2                | 3.57   | 4.68  | 800        |     |
| Fixture Flux  | 7593lm                      | 3                | 5.35   | 7.01  | 355        |     |
| Efficacy      | 110lm/W                     | 4                | 7.13   | 9.35  | 200        |     |
| TS1499        | I <sub>max</sub> =891cd/klm | I <sub>max</sub> | 7901cd | 5     | 8.91 11.69 | 128 |