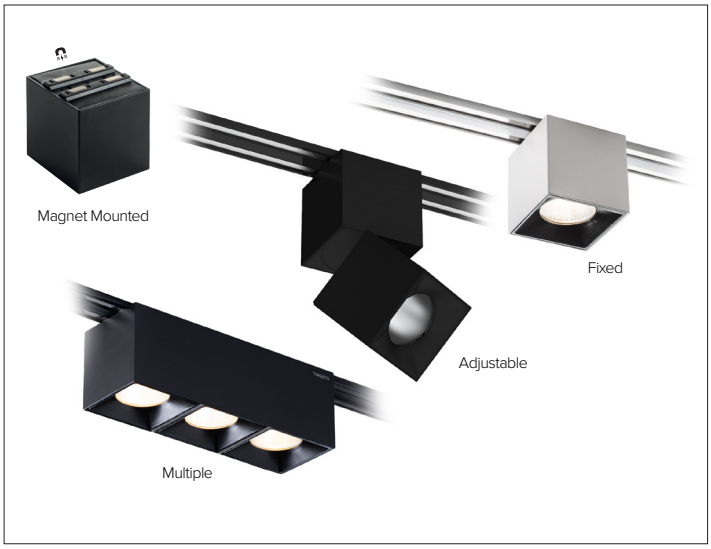
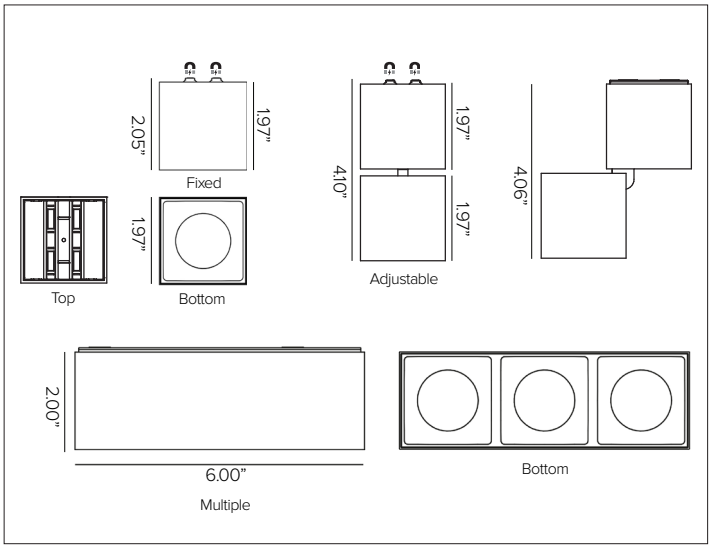
# OZ 48V LARGE

## Magnet Mounted Modular Light System




RoHS3 COMPLIANT | IP20 | cULus Class2

### CONCEPT

Professional magnet mounted low voltage modular light system allowing for maximum application flexibility.

### MECHANICAL CHARACTERISTICS

| | |
|---|---|
| **Dimensions** | 2"W nominal luminaire profile range |
| **Materials** | Die cast aluminum finished body. Front internal reflector in black finish polycarbonate. |
| **Finish** | Plaster White ● Deep Black |
| **Power Connection** | Magnetized electrical non-polarized coupling system. |
| **Functionality** | The adjustable luminaire version utilizes a mechanical aim lock friction system in both the vertical and horizontal planes. |
| **Mounting** | Simple magnetized coupling system that mounts directly to *OZ 48V POWER RAIL*. Provides an easy installation for fixture field mounting and reconfigurations. This modular system meets seismic requirements; no extra security is required. |
| **Weight** | Fixed: 0.20lbs / Adjustable: 0.44lbs / Multiple: 0.47 lbs |
| **Protection** | IP20 |

### CERTIFICATIONS

cULus Class 2 Listed E528452
Tested in accordance with LM-79-08.
Compliant with California energy regulations.
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

| | |
|---|---|
| **Power Supply** | Remote power supply options available. |
| **Wattage** | Fixed and Adjustable 8W nominal / Multiple 19W nominal |
| **Voltage** | 48V |
| **Control** | 0-10V dimmable through remote power / digital dimming interface for group fixture control OR wireless bluetooth control through Casambi app interface for individual fixture and/or optical DBS beam control. Refer to Targetti LMS (Light Management System) for detailed information. |

### SOURCE

High efficiency LED Chip on Board.

| **TM30** | ***CCT (Nominal)*** | ***CRI*** | ***Rf*** | ***Rg*** | ***SDCM*** |
|---|---|---|---|---|---|
| | 2700K | 90 | 92 | 99 | 2 |
| | 3000K | 90 | 92 | 101 | 2 |
| | 3500K | 90 | 100 | 99 | 2 |
| | 4000K | 90 | 90 | 98 | 2 |

### OPTIC

Optical system dependent on beam angle. SP and FL versions comprised of metalized polycarbonate precision optic, holographic diffuser filter. MWFL version comprised of convex faceted high reflectance anodized aluminum precision optic, holographic diffuser filter. DBS optic comprised of a specular anodized aluminum reflector, a Lens Vector liquid crystal glass lenses that are electronically controlled to regulate light diffusion and the beam opening from SP to MWFL with holographic filter.

| **Beam** | | ***SP 19°*** | ***FL 27°*** | ***MWFL 37°*** | ***DBS 22° – 46°*** |
|---|---|---|---|---|---|
| **Delivered Lumens** | ***2700K*** | 641Lm | 692Lm | 762Lm | 548-576Lm |
| *Data represents Fixed and Adjustable luminaire options only. Refer to photometry section for all fixture variations.* | ***3000K*** | 691Lm | 720Lm | 794Lm | 591-621Lm |
| | ***3500K*** | 712Lm | 730Lm | 804Lm | 616-647Lm |
| | ***4000K*** | 734Lm | 732Lm | 806Lm | 627-659Lm |
| **Efficacy** | 115Lm/W max. Refer to photometric graphs for specific values. | | | | |
| **Lifetime** | L80/B10 >100,0000hrs at max TA +25°C | | | | |
| **Photobiological Classification** | Low risk photobiological safety RG1 | | | | |

# OZ 48V LARGE

## SPECIFICATION INFORMATION

| OZ | | | | | | | / | / |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | REQUIRED | OPTIONAL |

*Ex: OZ21FPWL1FL30*

| 1 - PRODUCT CODE | 2 - TYPE | 3 - CONTROL | 4 - FINISH | 5 - WATTAGE | 6 - OPTICS | 7 - KELVIN |
|---|---|---|---|---|---|---|
| **OZ** — OZ 48V | **21F** [A] — Large 2" X 2" Fixed<br>**21A** [A] — Large 2" X 2" Adjustable | **__** — 0-10V Digital Dim | **PW** — Plaster White<br>**DB** — Deep Black<br>**RAL** — Custom RAL | **L1** — 8W | **SP** — SP 19°<br>**FL** — FL 27°<br>**MW** — MWFL 37° | **27** — 2700K<br>**30** — 3000K<br>**35** — 3500K<br>**40** — 4000K |
| | **23M** [B] — Large 2" X 6" Fixed Multiple | | | **L3** — 19W | | **27** — 2700K<br>**30** — 3000K<br>**35** — 3500K<br>**40** — 4000K |
| **OZ** — OZ 48V | **21F** [A] — Large 2" X 2" Fixed Wireless<br>**21A** [A] — Large 2" X 2" Adjustable Wireless | **C** — Casambi Wireless Bluetooth | **PW** — Plaster White<br>**DB** — Deep Black<br>**RAL** — Custom RAL | **L5** — 8W<br>**L7** — 19W | **SP** — SP 19°<br>**FL** — FL 27°<br>**MW** — MWFL 37°<br>**DBS**[C] — DBS | **27** — 2700K<br>**30** — 3000K<br>**35** — 3500K<br>**40** — 4000K |
| | **23M** [B] — Large 2" X 6" Fixed Multiple Wireless | | | | | |

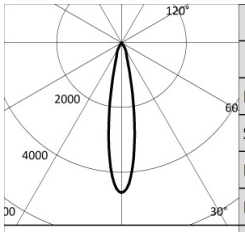
| 8 - RAIL & DRIVER | 9 - PROFILE |
|---|---|
| ***REQUIRED***<br>See *OZ 48V POWER RAIL* spec sheet for specification information. | ***OPTIONAL***<br>See *OZ 48V PROFILE* spec sheets for specification information. *SURFACE/ SUSPENSION* or *RECESSED*. |

[A] Fixed and Adjustable versions available in 8W only.
[B] Multiple version available in 21W only.
[C] DBS optic available in Fixed and Adjustable fixtures with Casambi Wireless Bluetooth control, 8W only.

# OZ 48V LARGE

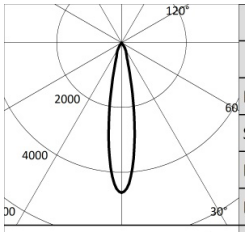
## PHOTOMETRY

### SPOT



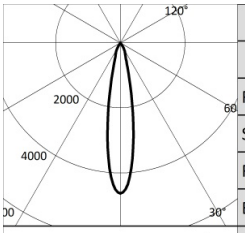

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 8W | 1 | 0.34 | 3629 |
| Source Flux | 785lm | 2 | 0.68 | 907 |
| Fixture Flux | 641lm | 3 | 1.02 | 403 |
| Efficacy | 84lm/W | 4 | 1.36 | 227 |
| TS1125 Imax=4623cd/klm | Imax 3629cd | 5 | 1.70 | 145 |

Maximum UGR = 3.4 *(based on actual lumens)*



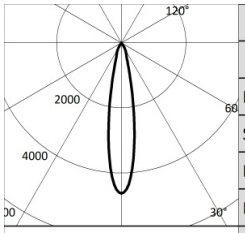

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 8W | 1 | 0.34 | 3911 |
| Source Flux | 846lm | 2 | 0.68 | 978 |
| Fixture Flux | 691lm | 3 | 1.02 | 435 |
| Efficacy | 91lm/W | 4 | 1.36 | 244 |
| TS1125 Imax=4623cd/klm | Imax 3911cd | 5 | 1.70 | 156 |

Maximum UGR = 3.6 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 8W | 1 | 0.34 | 4031 |
| Source Flux | 872lm | 2 | 0.68 | 1008 |
| Fixture Flux | 712lm | 3 | 1.02 | 448 |
| Efficacy | 94lm/W | 4 | 1.36 | 252 |
| TS1125 Imax=4623cd/klm | Imax 4031cd | 5 | 1.70 | 161 |

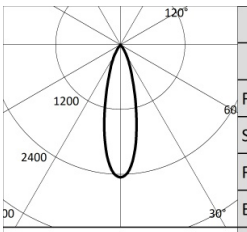
Maximum UGR = 3.7 *(based on actual lumens)*




| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 8W | 1 | 0.34 | 4151 |
| Source Flux | 898lm | 2 | 0.68 | 1038 |
| Fixture Flux | 734lm | 3 | 1.02 | 461 |
| Efficacy | 97lm/W | 4 | 1.36 | 259 |
| TS1125 Imax=4623cd/klm | Imax 4151cd | 5 | 1.70 | 166 |

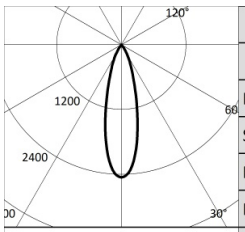
Maximum UGR = 3.8 *(based on actual lumens)*

### FLOOD



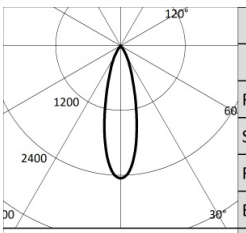

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 7W | 1 | 0.49 | 2266 |
| Source Flux | 925lm | 2 | 0.98 | 567 |
| Fixture Flux | 692lm | 3 | 1.47 | 252 |
| Efficacy | 96lm/W | 4 | 1.95 | 142 |
| TS1126 Imax=2450cd/klm | Imax 2266cd | 5 | 2.44 | 91 |

Maximum UGR = 5.0 *(based on actual lumens)*



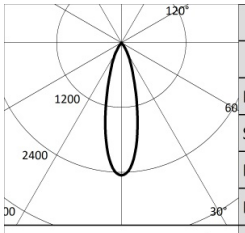

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 7W | 1 | 0.49 | 2359 |
| Source Flux | 963lm | 2 | 0.98 | 590 |
| Fixture Flux | 720lm | 3 | 1.47 | 262 |
| Efficacy | 100lm/W | 4 | 1.95 | 147 |
| TS1126 Imax=2450cd/klm | Imax 2359cd | 5 | 2.44 | 94 |

Maximum UGR = 5.2 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 7W | 1 | 0.49 | 2391 |
| Source Flux | 976lm | 2 | 0.98 | 598 |
| Fixture Flux | 730lm | 3 | 1.47 | 266 |
| Efficacy | 101lm/W | 4 | 1.95 | 149 |
| TS1126 Imax=2450cd/klm | Imax 2391cd | 5 | 2.44 | 96 |

Maximum UGR = 5.2 *(based on actual lumens)*



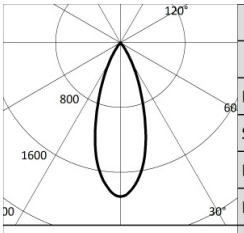

| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 7W | 1 | 0.49 | 2396 |
| Source Flux | 978lm | 2 | 0.98 | 599 |
| Fixture Flux | 732lm | 3 | 1.47 | 266 |
| Efficacy | 102lm/W | 4 | 1.95 | 150 |
| TS1126 Imax=2450cd/klm | Imax 2396cd | 5 | 2.44 | 96 |

Maximum UGR = 5.2 *(based on actual lumens)*

# OZ 48V LARGE

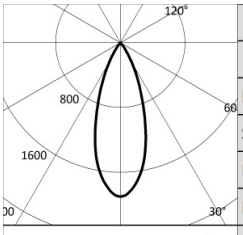
## PHOTOMETRY

### MEDIUM WIDE FLOOD



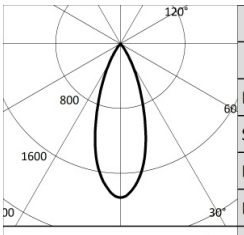

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 7W | 1 | 0.66 | 1754 |
| Source Flux | 925lm | 2 | 1.32 | 439 |
| Fixture Flux | 762lm | 3 | 1.98 | 195 |
| Efficacy | 106lm/W | 4 | 2.64 | 110 |
| TS1127 Imax=1896cd/klm | Imax 1754cd | 5 | 3.31 | 70 |

Maximum UGR = 4.1 *(based on actual lumens)*



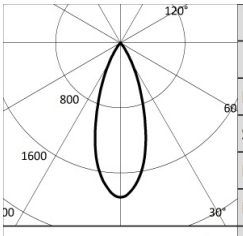

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 7W | 1 | 0.66 | 1826 |
| Source Flux | 963lm | 2 | 1.32 | 457 |
| Fixture Flux | 794lm | 3 | 1.98 | 203 |
| Efficacy | 110lm/W | 4 | 2.64 | 114 |
| TS1127 Imax=1896cd/klm | Imax 1826cd | 5 | 3.31 | 73 |

Maximum UGR = 4.3 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 7W | 1 | 0.66 | 1851 |
| Source Flux | 976lm | 2 | 1.32 | 463 |
| Fixture Flux | 804lm | 3 | 1.98 | 206 |
| Efficacy | 112lm/W | 4 | 2.64 | 116 |
| TS1127 Imax=1896cd/klm | Imax 1851cd | 5 | 3.31 | 74 |

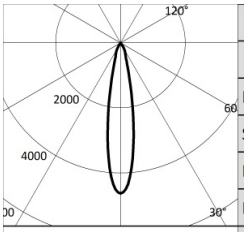
Maximum UGR = 4.3 *(based on actual lumens)*




| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 7W | 1 | 0.66 | 1855 |
| Source Flux | 978lm | 2 | 1.32 | 464 |
| Fixture Flux | 806lm | 3 | 1.98 | 206 |
| Efficacy | 112lm/W | 4 | 2.64 | 116 |
| TS1127 Imax=1896cd/klm | Imax 1855cd | 5 | 3.31 | 74 |

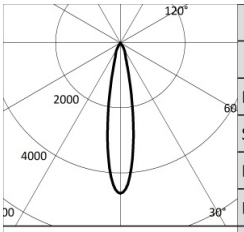
Maximum UGR = 4.3 *(based on actual lumens)*

### SPOT (MULTIPLE)



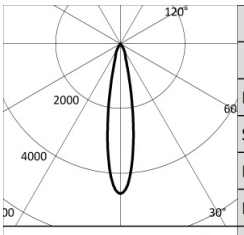

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 19W | 1 | 0.34 | 9305 |
| Source Flux | 2013lm | 2 | 0.68 | 2326 |
| Fixture Flux | 1645lm | 3 | 1.02 | 1034 |
| Efficacy | 87lm/W | 4 | 1.36 | 582 |
| TS1835 Imax=4623cd/klm | Imax 9305cd | 5 | 1.70 | 372 |

Maximum UGR = 2.8 *(based on actual lumens)*



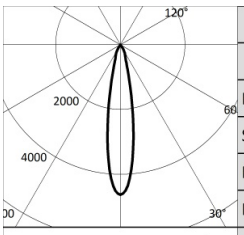

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 19W | 1 | 0.34 | 10012 |
| Source Flux | 2166lm | 2 | 0.68 | 2503 |
| Fixture Flux | 1770lm | 3 | 1.02 | 1112 |
| Efficacy | 93lm/W | 4 | 1.36 | 626 |
| TS1835 Imax=4623cd/klm | Imax 10012cd | 5 | 1.70 | 400 |

Maximum UGR = 3.1 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 19W | 1 | 0.34 | 10327 |
| Source Flux | 2234lm | 2 | 0.68 | 2582 |
| Fixture Flux | 1825lm | 3 | 1.02 | 1147 |
| Efficacy | 96lm/W | 4 | 1.36 | 645 |
| TS1835 Imax=4623cd/klm | Imax 10327cd | 5 | 1.70 | 413 |

Maximum UGR = 3.2 *(based on actual lumens)*



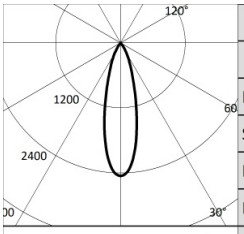

| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 19° | |
| Fixture Power | 19W | 1 | 0.34 | 10636 |
| Source Flux | 2301lm | 2 | 0.68 | 2659 |
| Fixture Flux | 1880lm | 3 | 1.02 | 1182 |
| Efficacy | 99lm/W | 4 | 1.36 | 665 |
| TS1835 Imax=4623cd/klm | Imax 10636cd | 5 | 1.70 | 425 |

Maximum UGR = 3.3 *(based on actual lumens)*

# OZ 48V LARGE

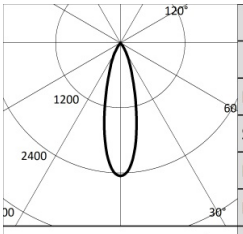
## PHOTOMETRY

### FLOOD (MULTIPLE)



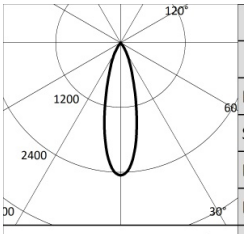

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 19W | 1 | 0.49 | 4931 |
| Source Flux | 2013lm | 2 | 0.98 | 1233 |
| Fixture Flux | 1506lm | 3 | 1.47 | 548 |
| Efficacy | 79lm/W | 4 | 1.95 | 308 |
| TS1836 Imax=2450cd/klm | Imax 4931cd | 5 | 2.44 | 197 |

Maximum UGR = 3.9 *(based on actual lumens)*



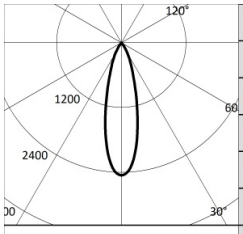

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 19W | 1 | 0.49 | 5306 |
| Source Flux | 2166lm | 2 | 0.98 | 1327 |
| Fixture Flux | 1620lm | 3 | 1.47 | 590 |
| Efficacy | 85lm/W | 4 | 1.95 | 332 |
| TS1836 Imax=2450cd/klm | Imax 5306cd | 5 | 2.44 | 212 |

Maximum UGR = 4.2 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 19W | 1 | 0.49 | 5473 |
| Source Flux | 2234lm | 2 | 0.98 | 1368 |
| Fixture Flux | 1671lm | 3 | 1.47 | 608 |
| Efficacy | 88lm/W | 4 | 1.95 | 342 |
| TS1836 Imax=2450cd/klm | Imax 5473cd | 5 | 2.44 | 219 |

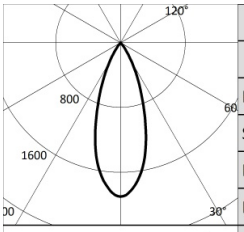
Maximum UGR = 4.3 *(based on actual lumens)*




| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 27° | |
| Fixture Power | 19W | 1 | 0.49 | 5637 |
| Source Flux | 2301lm | 2 | 0.98 | 1409 |
| Fixture Flux | 1721lm | 3 | 1.47 | 626 |
| Efficacy | 91lm/W | 4 | 1.95 | 352 |
| TS1836 Imax=2450cd/klm | Imax 5637cd | 5 | 2.44 | 225 |

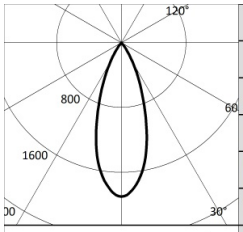
Maximum UGR = 4.4 *(based on actual lumens)*

### MEDIUM WIDE FLOOD (MULTIPLE)



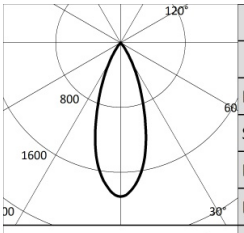

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 19W | 1 | 0.66 | 3817 |
| Source Flux | 2013lm | 2 | 1.32 | 954 |
| Fixture Flux | 1659lm | 3 | 1.98 | 424 |
| Efficacy | 87lm/W | 4 | 2.64 | 239 |
| TS1837 Imax=1896cd/klm | Imax 3817cd | 5 | 3.31 | 153 |

Maximum UGR = 3.0 *(based on actual lumens)*



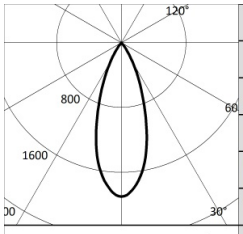

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 19W | 1 | 0.66 | 4107 |
| Source Flux | 2166lm | 2 | 1.32 | 1027 |
| Fixture Flux | 1785lm | 3 | 1.98 | 456 |
| Efficacy | 94lm/W | 4 | 2.64 | 257 |
| TS1837 Imax=1896cd/klm | Imax 4107cd | 5 | 3.31 | 164 |

Maximum UGR = 3.3 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 19W | 1 | 0.66 | 4236 |
| Source Flux | 2234lm | 2 | 1.32 | 1059 |
| Fixture Flux | 1841lm | 3 | 1.98 | 471 |
| Efficacy | 97lm/W | 4 | 2.64 | 265 |
| TS1837 Imax=1896cd/klm | Imax 4236cd | 5 | 3.31 | 169 |

Maximum UGR = 3.4 *(based on actual lumens)*



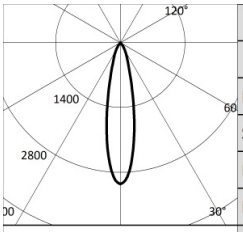

| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 37° | |
| Fixture Power | 19W | 1 | 0.66 | 4363 |
| Source Flux | 2301lm | 2 | 1.32 | 1091 |
| Fixture Flux | 1896lm | 3 | 1.98 | 485 |
| Efficacy | 100lm/W | 4 | 2.64 | 273 |
| TS1837 Imax=1896cd/klm | Imax 4363cd | 5 | 3.31 | 175 |

Maximum UGR = 3.5 *(based on actual lumens)*

# OZ 48V LARGE

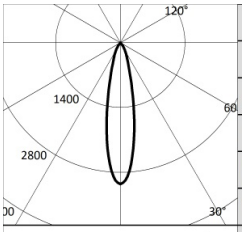
## PHOTOMETRY

### DBS SPOT



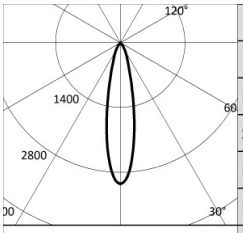

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 22° | |
| Fixture Power | 8W | 1 | 0.39 | 2390 |
| Source Flux | 785lm | 2 | 0.78 | 597 |
| Fixture Flux | 576lm | 3 | 1.17 | 266 |
| Efficacy | 76lm/W | 4 | 1.56 | 149 |
| TS1287 Imax=3045cd/klm | Imax | 2390cd | 5 | 1.95 | 96 |

Maximum UGR = 12.6 *(based on actual lumens)*



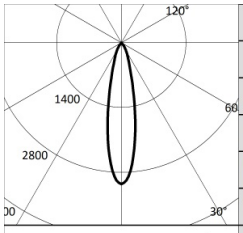

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 22° | |
| Fixture Power | 8W | 1 | 0.39 | 2576 |
| Source Flux | 846lm | 2 | 0.78 | 644 |
| Fixture Flux | 621lm | 3 | 1.17 | 286 |
| Efficacy | 82lm/W | 4 | 1.56 | 161 |
| TS1287 Imax=3045cd/klm | Imax | 2576cd | 5 | 1.95 | 103 |

Maximum UGR = 12.8 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 22° | |
| Fixture Power | 8W | 1 | 0.39 | 2685 |
| Source Flux | 882lm | 2 | 0.78 | 671 |
| Fixture Flux | 647lm | 3 | 1.17 | 298 |
| Efficacy | 85lm/W | 4 | 1.56 | 168 |
| TS1287 Imax=3045cd/klm | Imax | 2685cd | 5 | 1.95 | 107 |

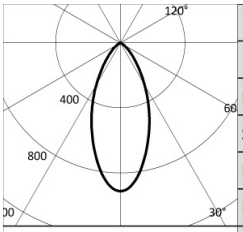
Maximum UGR = 13.0 *(based on actual lumens)*




| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 22° | |
| Fixture Power | 8W | 1 | 0.39 | 2734 |
| Source Flux | 898lm | 2 | 0.78 | 683 |
| Fixture Flux | 659lm | 3 | 1.17 | 304 |
| Efficacy | 87lm/W | 4 | 1.56 | 171 |
| TS1287 Imax=3045cd/klm | Imax | 2734cd | 5 | 1.95 | 109 |

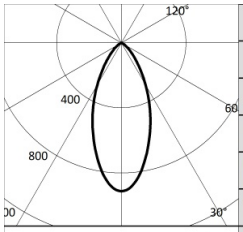
Maximum UGR = 12.9 *(based on actual lumens)*

### DBS MEDIUM WIDE FLOOD



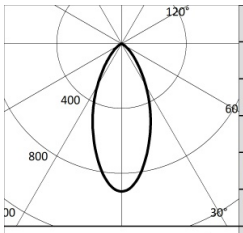

| 2700K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 46° | |
| Fixture Power | 8W | 1 | 0.84 | 715 |
| Source Flux | 785lm | 2 | 1.69 | 179 |
| Fixture Flux | 548lm | 3 | 2.53 | 79 |
| Efficacy | 72lm/W | 4 | 3.37 | 45 |
| TS1288 Imax=910cd/klm | Imax | 715cd | 5 | 4.21 | 29 |

Maximum UGR = 20.4 *(based on actual lumens)*



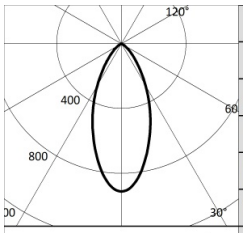

| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 46° | |
| Fixture Power | 8W | 1 | 0.84 | 770 |
| Source Flux | 846lm | 2 | 1.69 | 193 |
| Fixture Flux | 591lm | 3 | 2.53 | 86 |
| Efficacy | 78lm/W | 4 | 3.37 | 48 |
| TS1288 Imax=910cd/klm | Imax | 770cd | 5 | 4.21 | 31 |

Maximum UGR = 20.6 *(based on actual lumens)*




| 3500K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 46° | |
| Fixture Power | 8W | 1 | 0.84 | 803 |
| Source Flux | 882lm | 2 | 1.69 | 201 |
| Fixture Flux | 616lm | 3 | 2.53 | 89 |
| Efficacy | 81lm/W | 4 | 3.37 | 50 |
| TS1288 Imax=910cd/klm | Imax | 803cd | 5 | 4.21 | 32 |

Maximum UGR = 20.8 *(based on actual lumens)*




| 4000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 46° | |
| Fixture Power | 8W | 1 | 0.84 | 817 |
| Source Flux | 898lm | 2 | 1.69 | 204 |
| Fixture Flux | 627lm | 3 | 2.53 | 91 |
| Efficacy | 83lm/W | 4 | 3.37 | 51 |
| TS1288 Imax=910cd/klm | Imax | 817cd | 5 | 4.21 | 33 |

Maximum UGR = 20.8 *(based on actual lumens)*

# OZ 48V LARGE

## CONTROL SYSTEM

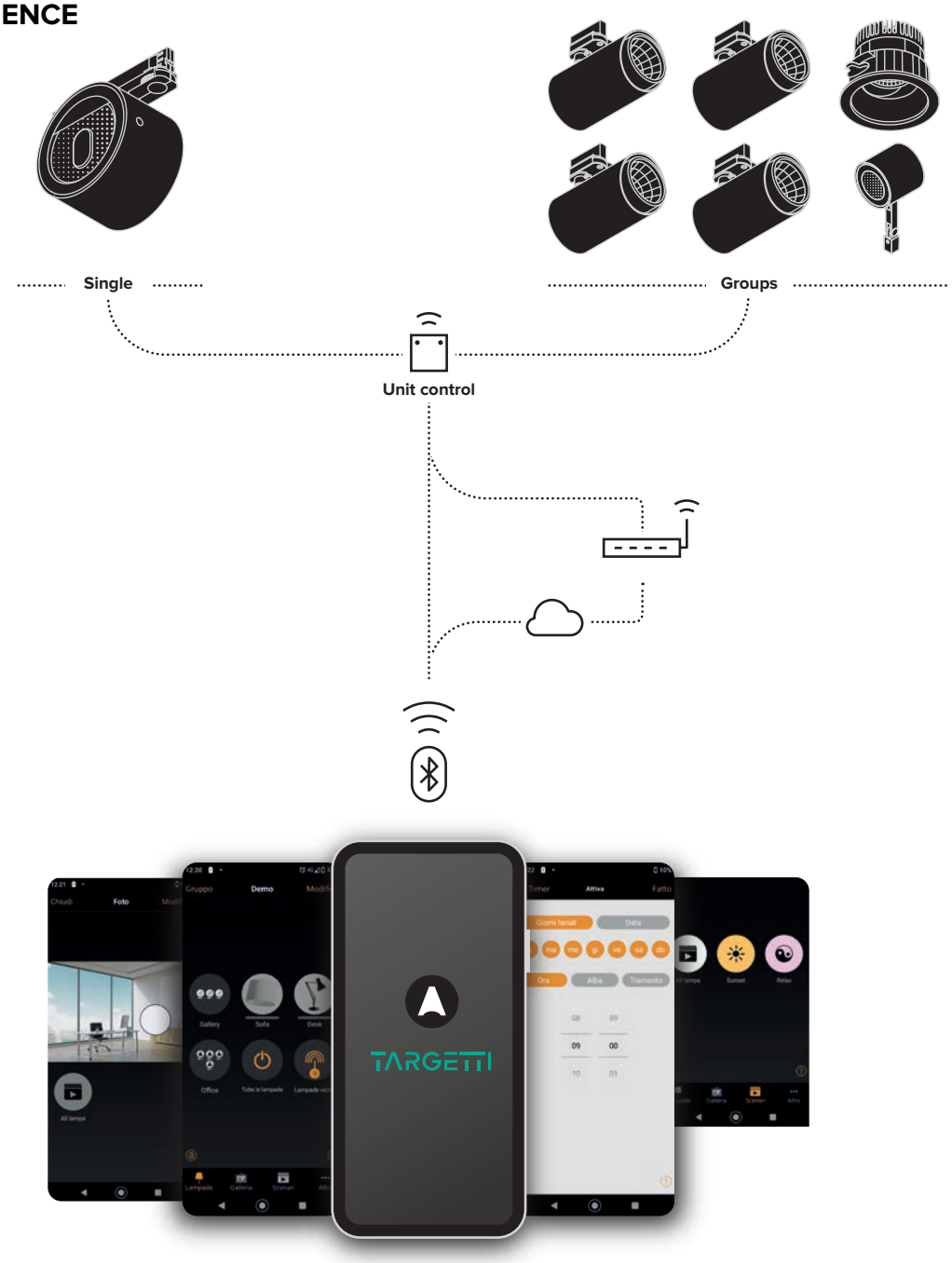
Controlling light has never been easier. Targetti LMS (Light Management System) with Control by Casambi was created to make it possible to control light via Bluetooth Low Energy without the use of any special cables, ensuring system operational readiness. This wireless technology is compatible with all modern smart devices: smartphones, tablets and even smartwatches. Targetti fixtures are equipped with a special interface that allows them to communicate with each other to create a remotely controllable "smart" network.

The advantages are boundless. The possibility for users to interact with lighting – varying intensity, tone and shape in complete freedom and autonomy according to their needs. The design approach known as Human Centric Lighting that places people at the center of lighting projects.

Flexible and easy to use, suitable for managing all types of simple to more complex systems, LMS is a future-oriented system that can be constantly updated because it can be used with a simple application that can be downloaded onto a mobile device to manage the entire system in wireless mode.

## INSTALLATION SEQUENCE

1. Choose Targetti fixtures by opting for the Targetti Casambi Ready package or Casambi accessory components
2. Download the Casambi iOS or Android App depending on the device used
3. Launch the App: the fixtures in operation will be detected automatically
4. Create one or two networks depending on the characteristics of the environment
5. Create groups of devices as needed
6. Program scenes and/or sequences.
7. Set the level of network sharing

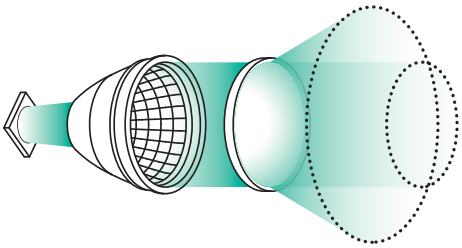


# OZ 48V LARGE

## DBS – DYNAMIC BEAM SHAPING

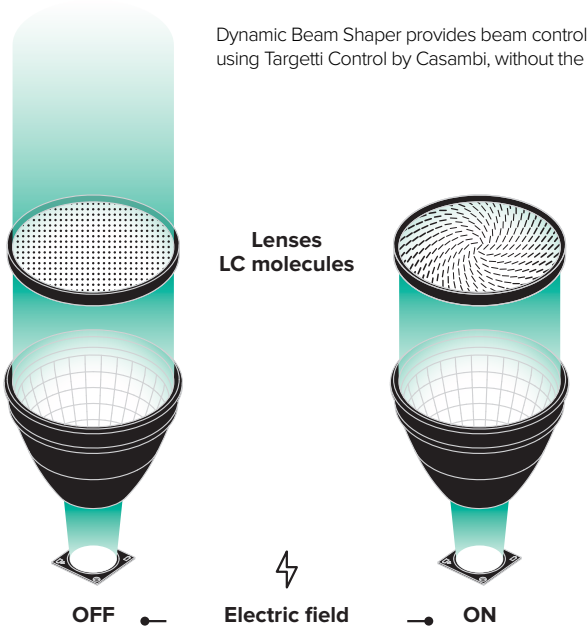
Uniform light and contemporary atmosphere.

Dynamic Beam Shaping (DBS) optical technology was created from the desire to give designers a sophisticated yet simple to use tool. Technology that we were the first to develop in the lighting sector together with Lens Vector – a leading American company in lens design - that makes it possible to vary the beam opening of fixtures via digital input without any mechanical system. With DBS we combined LED sources, collimated optics and lenses equipped with liquid crystal molecules that can be activated and oriented using an electric field thus creating a light diffusion process.



**HOW IT WORKS** Liquid crystal materials are widely used in projectors and LC (LCD) displays. They are elongated molecules that are naturally aligned in the same direction. The DBS lens is composed of two glass substrates separated by spacers that are sealed to contain the liquid crystal materials in a kind of "sandwich". When an electric field is applied to the lens the molecules change direction and refocus the light that passes through the lens. Managing the electric field and the direction of the molecules it is possible to shape the light beam.

Dynamic Beam Shaper provides beam control from 15° to 55°, allowing designers to create scenes and manage lighting in different environments using Targetti Control by Casambi, without the use of mechanical systems, scales or replacement optics.




**HOW IT'S CONTROLLED** Using the Casambi app, available for IOS and Android, it is possible to dim the sources, set the desired beam opening and create dynamic scenes. The same fixture controlled from any smart device provides infinite possibilities.