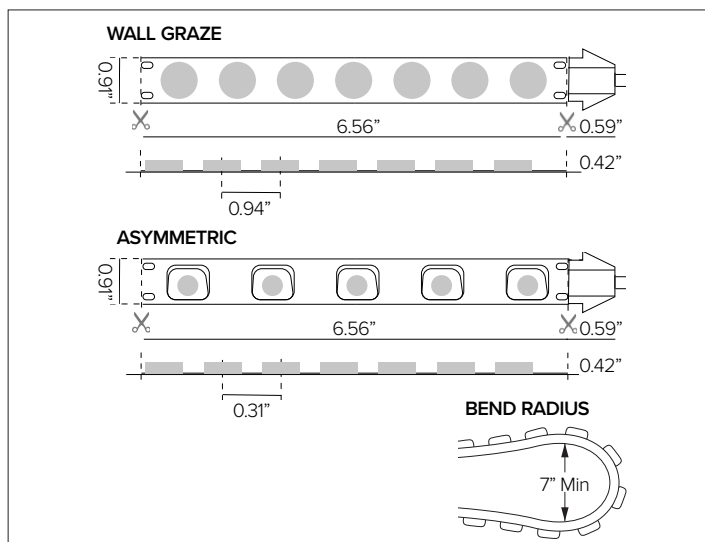


DURAFLEX OPTICS

Energy Efficient Flex for Continuous Optical Illumination



CONCEPT

Energy efficient flex for continuous linear Wall Graze or Wall Wash illumination for indoor or outdoor applications.

MECHANICAL CHARACTERISTICS

| | |
|----------------------|---|
| Materials | LED strip with independent optic and fully extruded silicon jacket. |
| Functionality | Ideal for continuous linear asymmetric wall wash and wall graze illumination applications. |
| Installation | Field cuttable. Manufacturer pre-assembled to specific project lengths with factory attached end prep assemblies to be mounted or inserted into thermally protective profiles, see available options. Suitable for MRI installations. Driver to be mounted outside of MRI room and to be use with PVC or aluminum profiles only. To be installed with adhesive or MRI safe hardware only, no factory provided mounting hardware to be used. |
| Protection | Strip jacket rated at IP67. |

CERTIFICATIONS

cETLus Class 2 Listed
 Tested in accordance with LM-79-08
 Energy efficient for California installations.
 RoHS compliant

WARRANTY

5 year limited warranty

ELECTRICAL CHARACTERISTICS

| | |
|------------------------------|---|
| Power Connection | Factory attached end prep, see available options. Remote Class 2 120V-277V AC power supply required, see available options. |
| Wattage | 6W/ft |
| Voltage | 24V DC |
| Operating Temp. | -25°C / +35°C |
| Max Continuous Length | Field trimmable every 6.56". 14ft |

SOURCE

| | | | | | | | |
|--------------------------------|--|--------------|--------------------------|-----------|----------------------|------------|-------------|
| LEDs | 13 LEDs/ft Wall Graze version / 9 LEDs/ft Wall Wash version. | | | | | | |
| Spacing | 0.94" O.C. | | | | | | |
| TM30 | CCT (Nominal) | CRI | Rf | Rg | R9 | DUV | SDCM |
| | 2700K | 93 | 92 | 99 | 65 | -0.0006 | 3 |
| | 3000K | 97 | 93 | 103 | 87 | -0.0048 | 3 |
| | 3500K | 93 | 90 | 98 | 63 | -0.0010 | 3 |
| | 4000K | 94 | 90 | 98 | 70 | -0.0007 | 3 |
| Strip & LED Details | Model | W/LED | Delivered Lumens* | | Viewing Angle | | |
| | | | 3000K | 4000K | | | |
| | WG | 0.46W | 549Lm/ft | 564Lm/ft | 29° | | |
| | WW | 0.67W | 442Lm/ft | 457Lm/ft | 10° x 75° | | |
| | * Meets Title 24 High efficacy rating. | | | | | | |
| Efficacy | 94Lm/W max. Refer to photometric graphs for specific values. | | | | | | |
| Lifetime | L70/B20 >30,000hrs at max TA +25°C | | | | | | |

DURAFLEX OPTICS

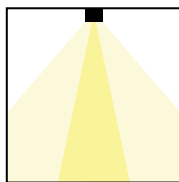
SPECIFICATION INFORMATION



Ex: DLO06OWG2724 / KT07UXWL / KT07UXWL-CL / DMLE601242UD

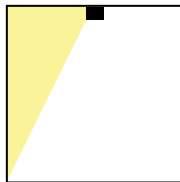
| 1 - PRODUCT CODE | 2 - TYPE | 3 - WATTAGE | 4 - RATING | 5 - OPTICS | 6 - KELVIN | 7 - VOLTAGE |
|--|--|--|------------|--|--|-------------|
| DF — DURAFLEX | O — Optics | 06 — 6.0W/ft | O — IP66 | WG — Wall Graze 29° WW — Wall Wash 101° x 75° | 27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K | 24 — 24V DC |
| 8 - END PREP CONNECTION | 9 - MOUNTING | 10 - DRIVER | | | | |
| REQUIRED See section for details | OPTIONAL See section for details | REQUIRED See section for details | | | | |

OPTICS



WG

Recommended mounting setback between 1" to 5"



WW

Recommended mounting setback between 3" to 12" with ideal setback between 6" to 9"

DURAFLEX OPTICS

8 - END PREP CONNECTION (REQUIRED)



DURAFLEX OPTIC factory attached molded straight 2 pin 6" male end feed connection and 6" female connection with bare wire lead cable.

Part No. **KT07UXWL**

DURAFLEX OPTICS

9 - MOUNTING (REQUIRED)

[WEBSITE LINK](#)
[SPEC SHEET](#)

 **UNIFORM**
DIRECT VIEW

 **BLENDED**
DIRECT/INDIRECT VIEW

 **PIXEL**
INDIRECT VIEW

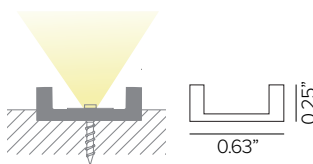
CLIPS



Mounting clip kit. Includes 10 clips.

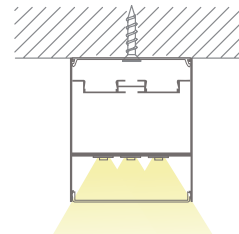
Part No. **KT07UXWL-CL**

SURFACE PROFILES



Rigid aluminum "U" channel. Countersink screw holes, 12" O.C. Dimension: 96"L.

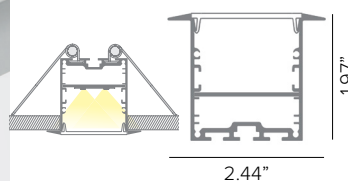
Part No. **DLALUMU8**



Aluminum profile with frosted polycarbonate lens for surface mount. Dimension: 48"L.

Part No. **PRDES0**

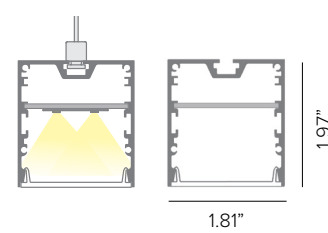
RECESSED PROFILE



Aluminum profile with opal polycarbonate lens for recessed installation. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

Part No. **P08D-S-PF-300**

SUSPENDED PROFILE



Aluminum profile with opal polycarbonate lens for suspension installation. Dimension: 118"L (3M). **Profile must be shipped via freight only. For efficient shipping via UPS/FedEx, lengths can be cut to 59" upon request.**

Part No. **P01L-S-PF-300**

DURAFLEX OPTICS

10 - POWER SUPPLY (REQUIRED)

| ENCLOSURE | | | | | | | | |
|------------------------|---------|---------------------------|-------------------------|--------------------|-----------------------|---------------|------------------------|---|
| Part No. | Wattage | Control | Dim Range | Rating | In / Out Voltage | Certification | Dimensions (Enclosure) | Description |
| DMLE301242UD | 30W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 4.47" X 6.79" X 1.38" | EMCOD electronic driver with wiring compartment. |
| DELV30124DJBX | 30W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UL Class 2 | 12.1" X 2.4" X 1.4" | Magnitude SOLIDrive electronic driver with built in junction box. |
| DMLE601242UD | 60W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 4.47" X 6.79" X 1.38" | EMCOD electronic driver with wiring compartment. |
| DELV60124DJBX | 60W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UL Class 2 | 12.1" X 2.4" X 1.4" | Magnitude SOLIDrive electronic driver with built in junction box. |
| DELX601241CPWM | 60W | 0-10V | 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 10" x 10" x 4" | MEANWELL electronic PWM driver. |
| PS060 | 96W | HI-LUME ECOSYSTEM | 0.1% | IP20/NOM CERTIFIED | UNIVERSAL 120-277 VAC | UL Class 2 | 10.5" x 5.5" x 2" | Lutron Hi-Lume Premiere constant voltage driver. |
| DELX901241CPWM | 90W | 0-10V | 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 10" x 10" x 4" | MEANWELL electronic PWM driver. |
| DMLE961242UD | 96W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.16" X 7.73" X 1.54 | EMCOD electronic driver with wiring compartment. |
| DELV96124DJBX | 96W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UL Class 2 | 12.1" X 2.4" X 1.4" | Magnitude SOLIDrive electronic driver with built in junction box. |
| DELX1802242CPWM | 2X90W | 0-10V | 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 12" x 12" x 4" | MEANWELL electronic PWM driver. |
| DMLE1922242UD | 2X96W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.04" X 10.94" X 1.81 | EMCOD electronic driver with wiring compartment. |
| DELX2703243CPWM | 3X90W | 0-10V | 1% | NEMA1 | 120-277V / 24V | UL Class 2 | 12" x 12" x 4" | MEANWELL electronic PWM driver. |
| DMLE2882242UD | 3X96W | MLV / ELV / 0-10V / TRIAC | MLV / ELV <10% 0-10V 1% | NEMA3R | 120-277V / 24V | UL Class 2 | 5.04" X 10.94" X 1.81 | EMCOD electronic driver with wiring compartment. |

| STAND ALONE | | | | | | | | |
|-------------------|---------|---------|-----------|--------|------------------|---------------|-------------------------|--|
| Part No. | Wattage | Control | Dim Range | Rating | In / Out Voltage | Certification | Dimensions (Standalone) | Description |
| DELV30124D | 30W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UR Class 2 | 7.5" X 2.4" X 1.4" | Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others. |
| DEL60PWM | 60W | 0-10V | 1% | IP67 | 120-277V / 24V | UL Class 2 | 5.9" X 2.09" X 1.38" | MEANWELL electronic PWM driver. UL listed enclosure provided by others. |
| DELV60124D | 60W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UR Class 2 | 7.5" X 2.4" X 1.4" | Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others. |
| DEL90PWM | 90W | 0-10V | 1% | IP67 | 120-277V / 24V | UL Class 2 | 6.73" X 2.48" X 1.48" | MEANWELL electronic PWM driver. UL listed enclosure provided by others. |
| DELV96124D | 96W | 0-10V | 0.1% | IP65 | 120-277V / 24V | UR Class 2 | 7.5" X 2.4" X 1.4" | Magnitude SOLIDrive electronic standalone driver. UL listed enclosure provided by others. |

MAX INTERCONNECTED TAPE LENGTHS PER DRIVER

| Fixture Wattage | Driver Wattage | | | | | | | |
|-----------------|----------------|-----|-----|------|-------|----------|----------|----------|
| | 30W | 60W | 90W | 96W | 2X90W | 2X96W | 3X90W | 3X96W |
| | 6W | 4FT | 8FT | 12FT | 12FT | (2) 12FT | (2) 12FT | (3) 12FT |

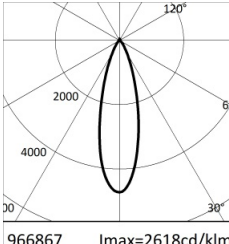
DURAFLEX OPTICS

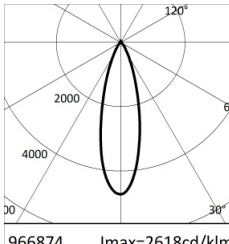
PHOTOMETRY

IES FILES SHOWN AT 1M (3.28FT) LENGTHS

WALL GRAZE

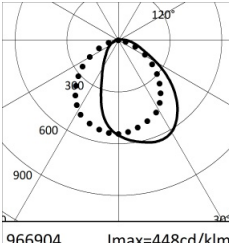
| | | | | | | |
|--|------------------------------|------------------|--------|----------|------|-----|
|  | 2700K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | 29° | | | |
| | Fixture Power | 19W | 1 | 0.52 | 4582 | |
| | Source Flux | 1750lm | 2 | 1.04 | 1146 | |
| | Fixture Flux | 1750lm | 3 | 1.56 | 509 | |
| | Efficacy | 91lm/W | 4 | 2.08 | 286 | |
| 966850 | I _{max} =2618cd/klm | I _{max} | 4582cd | 5 | 2.59 | 183 |

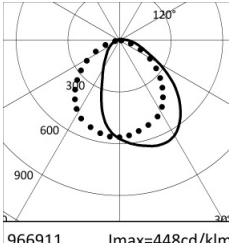
| | | | | | | |
|--|------------------------------|------------------|--------|----------|------|-----|
|  | 3000K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | 29° | | | |
| | Fixture Power | 19W | 1 | 0.52 | 4713 | |
| | Source Flux | 1800lm | 2 | 1.04 | 1178 | |
| | Fixture Flux | 1800lm | 3 | 1.56 | 524 | |
| | Efficacy | 94lm/W | 4 | 2.08 | 295 | |
| 966867 | I _{max} =2618cd/klm | I _{max} | 4713cd | 5 | 2.59 | 189 |

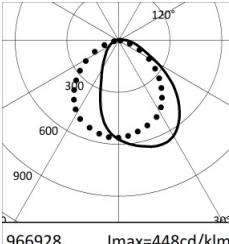
| | | | | | | |
|--|------------------------------|------------------|--------|----------|------|-----|
|  | 3500K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | 29° | | | |
| | Fixture Power | 19W | 1 | 0.52 | 4713 | |
| | Source Flux | 1800lm | 2 | 1.04 | 1178 | |
| | Fixture Flux | 1800lm | 3 | 1.56 | 524 | |
| | Efficacy | 94lm/W | 4 | 2.08 | 295 | |
| 966874 | I _{max} =2618cd/klm | I _{max} | 4713cd | 5 | 2.59 | 189 |

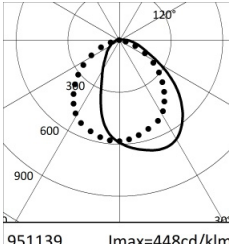
| | | | | | | |
|--|------------------------------|------------------|--------|----------|------|-----|
|  | 4000K | H(m) | D(m) | Emax(lx) | | |
| | Ra90 | | 29° | | | |
| | Fixture Power | 19W | 1 | 0.52 | 4844 | |
| | Source Flux | 1850lm | 2 | 1.04 | 1211 | |
| | Fixture Flux | 1850lm | 3 | 1.56 | 538 | |
| | Efficacy | 96lm/W | 4 | 2.08 | 303 | |
| 966881 | I _{max} =2618cd/klm | I _{max} | 4844cd | 5 | 2.59 | 194 |

WALL WASH

| | | | | | | | |
|---|-----------------------------|------------------|-------|-------|----------|-------|----|
|  | 2700K | H(m) | D1(m) | D2(m) | Emax(lx) | | |
| | Ra90 | | 75° | 101° | | | |
| | Fixture Power | 19W | 1 | 1.82 | 2.66 | 569 | |
| | Source Flux | 1400lm | 2 | 3.65 | 5.33 | 142 | |
| | Fixture Flux | 1400lm | 3 | 5.47 | 7.99 | 63 | |
| | Efficacy | 73lm/W | 4 | 7.30 | 10.66 | 36 | |
| 966904 | I _{max} =448cd/klm | I _{max} | 628cd | 5 | 9.12 | 13.32 | 23 |

| | | | | | | | |
|---|-----------------------------|------------------|-------|-------|----------|-------|----|
|  | 3000K | H(m) | D1(m) | D2(m) | Emax(lx) | | |
| | Ra90 | | 75° | 101° | | | |
| | Fixture Power | 19W | 1 | 1.82 | 2.66 | 589 | |
| | Source Flux | 1450lm | 2 | 3.65 | 5.33 | 147 | |
| | Fixture Flux | 1450lm | 3 | 5.47 | 7.99 | 65 | |
| | Efficacy | 76lm/W | 4 | 7.30 | 10.66 | 37 | |
| 966911 | I _{max} =448cd/klm | I _{max} | 650cd | 5 | 9.12 | 13.32 | 24 |

| | | | | | | | |
|--|-----------------------------|------------------|-------|-------|----------|-------|----|
|  | 3500K | H(m) | D1(m) | D2(m) | Emax(lx) | | |
| | Ra90 | | 75° | 101° | | | |
| | Fixture Power | 19W | 1 | 1.82 | 2.66 | 589 | |
| | Source Flux | 1450lm | 2 | 3.65 | 5.33 | 147 | |
| | Fixture Flux | 1450lm | 3 | 5.47 | 7.99 | 65 | |
| | Efficacy | 76lm/W | 4 | 7.30 | 10.66 | 37 | |
| 966928 | I _{max} =448cd/klm | I _{max} | 650cd | 5 | 9.12 | 13.32 | 24 |

| | | | | | | | |
|--|-----------------------------|------------------|-------|-------|----------|-------|----|
|  | 4000K | H(m) | D1(m) | D2(m) | Emax(lx) | | |
| | Ra90 | | 75° | 101° | | | |
| | Fixture Power | 19W | 1 | 1.82 | 2.66 | 610 | |
| | Source Flux | 1500lm | 2 | 3.65 | 5.33 | 152 | |
| | Fixture Flux | 1500lm | 3 | 5.47 | 7.99 | 68 | |
| | Efficacy | 78lm/W | 4 | 7.30 | 10.66 | 38 | |
| 951139 | I _{max} =448cd/klm | I _{max} | 673cd | 5 | 9.12 | 13.32 | 24 |