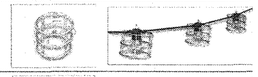
LIGHT

PRIMUS — DECOSTRING SHADES & GUARDS

DSRLG 5" W X 4" H
METAL ROUND LAMP GUARD
FINISH: POWDER COAT ONLY



DST6A 6" W X 6" H ACRYLIC TUBE SHADE
FINISH: OPAL WHITE, CLEAR OR FROSTED

DSS8 8" DIAMETER ACRYLIC SPHERE
DSS10 10" DIAMETER ACRYLIC SPHERE
DSS12 12" DIAMETER ACRYLIC SPHERE
FINISH: OPAL WHITE, CLEAR OR FROSTED

SHADES & GUARDS FINISH CODES

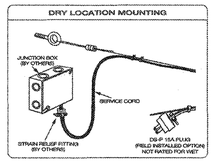
RAW & ACID ETCHED FINISHES	POWDER COAT FINISHES	ACRYLIC FINISHES
RB – RAW BRASS	PCW – POWDER COAT WHITE	O – OPAL WHITE
AB – AGED BRASS	PCB – POWDER COAT BLACK	C – CLEAR
VB – VERDE BRASS	PCS – POWDER COAT SILVER	F – FROSTED
BA – BRUSHED ALUM	PCC – POWDER COAT (CUSTOM) PROVIDE RAL COLOR	

SHADES & GUARDS FINISH NOTES

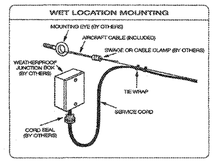
- Decostring shades are hand crafted from solid brass or aluminum and feature either chemical etched or powder coat finishes.
- Most shades are shipped separately and attached to cable system by means of a tool-less keeper ring.
- All shades and guards dimensions are nominal.
- Please contact us for material, finish and shape variations or custom designs.

DECOSTRING MOUNTING

DRY LOCATION MOUNTING



WET LOCATION MOUNTING



3570 LEXINGTON AVE. EL MONTE, CA 91731 • PH. 626.442.4600 FAX 626.442.4900 • primuslighting.com

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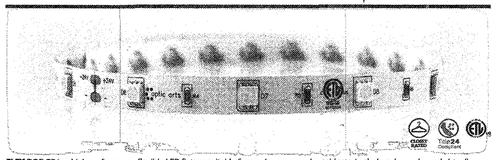
LIGHT

FLEX DC® 22 Specification Sheet



FLEX DC® 22 is a high performance flexible LED fixture suitable for use in coves, under cabinets, in shelves, in-grade, and virtually anywhere a linear fixture is required.

ELECTRICAL

Input Voltage	24VDC
Dimming Options	• PURE DC™ • MLV • 0-10V • DMX • Lutron (2-WIRE, 3-WIRE, EcoSystem)
Power Consumption	2.2 Watts per foot
Wire Size	18AWG, 2 wire
Certification	**ETL** - Conforms to UL Std. 2108: Certified to CSA Std. C22.2 No. 9.0 **Title 24** - Applicable CCTs are compliant. Selected FLEX DC® models CEC listed. **Closet Rated** - Suitable for installation in the storage area of a clothes closet when used in Optic Arts® channel.

ACCESSORIES

Mounting Clips	FLEXMNT.SIL.INT, FLEXMNT.SIL.EXT12 (pg. 7)
Channels	Optic Arts® Channel (pg. 3-6)
Connectors	LC-02P-M, LC-02P-F, LC-02P-F, LC-02P-M (pg. 7)

LUMEN OUTPUT

2000K (IP40 only)	102.24 lm/ft 46.47 lm/watt
2400K	149.60 lm/ft 68.00 lm/watt
2700K	154.00 lm/ft 70.00 lm/watt
3000K	176.00 lm/ft 80.00 lm/watt
3500K	160.60 lm/ft 73.00 lm/watt
4100K	156.20 lm/ft 71.00 lm/watt
6000K	169.04 lm/ft 77.00 lm/watt

*Stated lumen values have a tolerance of +/- 10%.

PHYSICAL

Field Cuttable	Every 6.55"
Operating Temperature	-40° C (-40°F) to +70°C (+158°F)
Environment	IP40 - Dry Location IP68 - Wet Location
Maximum Run Length	IP40: 42', IP68: 42'
Dimensions (WxH)	**IP40** - 0.40" (10.05mm) x 0.10" (2.33mm) **IP68** - 0.50" (12.70mm) x 0.20" (5.15mm) **IP68 Endcaps** - 0.57" (14.48mm) x 0.38" (9.65mm)

PERFORMANCE

CRI	90+
Lumen Maintenance	50,000 Hours
Binning Tolerance	+/- 100k
Warranty	3 years

PART NUMBER BUILDER

SERIES	IP RATING	COLOR	VOLTAGE	WATTAGE	LENGTH
FLEXDC	40 = IP40 - Dry Location 68 = IP68 - Wet Location	20 = 2000k (IP40 only) 24 = 2400k 27 = 2700k 30 = 3000k 35 = 3500k 41 = 4100k	60 = 6000k R = Red G = Green B = Blue A = Amber UV = UV	24 = 24 VDC	22 = 2.2w	XX = Custom Length

1130 Monterey Pass Rd, Monterey Park, CA 91754
213.250.8069 | customerservice@opticarts.com | www.opticarts.com

Optic Arts reserves the right to modify this specification without prior notice.

Last Modified: November 29, 2017 9:10 PM

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LIGHT

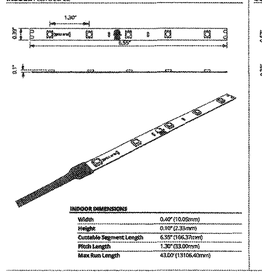
FLEX DC® 22 Specification Sheet

DIMENSIONS

Optic Arts® cuts all FLEX DC® and Channel products to length per customer specifications. Each length of FLEX DC® is fitted with a 6" wire lead (custom lengths available upon request) and packaged on a reel in an anti-static bag. Bags are labeled with fixture type, length and location (if applicable). Each piece of channel is labeled with fixture type, length and location (if applicable), and is bundled by fixture type.

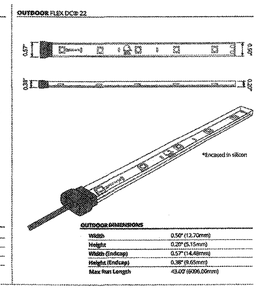
- *Due to the nature of the FLEX DC® product, specific lengths may not fall exactly on a cutting point. In this case, Optic Arts® will always cut to the smaller dimension unless otherwise specified.*
- *Unless otherwise specified, channel is cut 15mm longer than FLEX DC®.*
- *Some on-site assembly required. See installation guides for details.*

INDOOR FLEX DC® 22



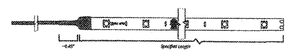
INDOOR DIMENSIONS	
Width	0.40" (10.05mm)
Height	0.10" (2.33mm)
Cuttable Segment Length	6.55" (166.37mm)
Pitch Length	1.30" (33.00mm)
Max Run Length	43.00' (13106.40mm)

OUTDOOR FLEX DC® 22

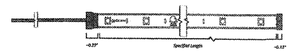


OUTDOOR DIMENSIONS	
Width	0.50" (12.70mm)
Height	0.20" (5.15mm)
Width (Endcap)	0.57" (14.48mm)
Height (Endcap)	0.38" (9.65mm)
Max Run Length	43.00' (6006.00mm)

INDOOR FLEX DC® 22



OUTDOOR FLEX DC® 22



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LIGHT

LED recessed wall luminaires - asymmetrical forward throw

BEGA

Application
LED recessed wall luminaire with asymmetrical wide spread light distribution for the illumination of wide ground surfaces, stairs and footpaths.

Materials
Luminaire housing and faceplate constructed of die-cast aluminum marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Reflector made of pure anodized aluminum
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Stainless steel screw clamps
Composite installation housing

NRTL listed to North American Standards, suitable for wet locations
Protection class IP66
Weight: 4.4 lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30°C
LED module wattage	12.2 W
System wattage	15.0 W
Controllability	0-10V
Color rendering index	Ra > 80
Luminaire lumens	848 lumens (3000K)
Lifetime at Ta=15°C	67,000 h (L70)
Lifetime at Ta=35°C	55,000 h (L70)

LED color temperature

☐ 2700K - Product number + **K27**
☐ 3000K - Product number + **K3**
☐ 3500K - Product number + **K35**
☐ 4000K - Product number + **K4**

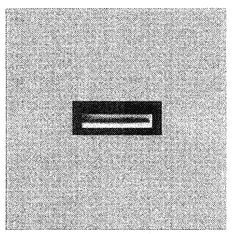
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:

Type:
BEGA Product:
Project:
Modified:

Fully enclosed luminaire with installation housing ensures seamless integration and weathertight operation.



LED recessed wall luminaires - asym. forward throw

	LED	A	B	C
24060	12.2 W	13	5	5½

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com

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Updated: 01/05/18

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LIGHT

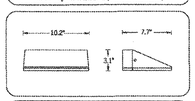
Surface

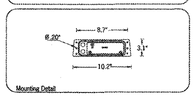
UVK-30001
Austin-Vekter 1 Small

LIGMAN LIGHTING USA

A wedge shaped range of small profile wall mounted luminaires for use in uplight or downlight applications. This product is provided with a range of high powered LEDs with a selection of optics.
The Vekter is unique as it is available with Type II, III, IV & V light distribution options that facilitates wider spacing and even light distribution between the light fixtures. White spacings of up to 40' on centre can be achieved using a type II optic with uniformity that complies to path of egress requirements. This provides higher energy saving and reduced installation costs. The Vekter can be manufactured using different type beam optics to achieve custom distribution, eg using type II and type IV optics inside the same luminaire.
Integral electronic control gear is housed in a special waterproof box that can be detached from the optical chamber for easy installation.
Mounting plate for 3" and 4" junction box is provided with the fixture. Matching surface mount conduit boxes are available as an option.
The Austin-Vekter is suitable for lighting footpaths, building facades, building entrances and parking areas around buildings. This fixture comes standard with a clear lens, optional frosted lens available as an adder in options below.
For the Austin-Vekter 27w, please see UVK-30002

Physical Data
Length - 10.2"
Height - 3.1"
Weight - 7 lbs
IP65 - Suitable For Wet Locations
IK08 - Impact Resistant (Vandal Resistant)





Mounting Detail

Aluminum Casting
Less than 0.1% copper content – Marine Grade LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre-paint
8 step degrease and phosphate process that includes dewelding and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature **memory retentive silicon gaskets.** Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management:
LM6 Aluminum is used for its **excellent mechanical strength and thermal dissipation properties** in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature ramps to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B0-U0-G0

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint.
UV Stabilized 4.0MIl thick powder coat paint and baked at 200 Deg C.
This process ensures that Ligman products can withstand harsh environments.

Hardware.
Provided Hardware is **Marine grade 316 Stainless steel.**

Anti Seize Screw Holes
Tapped holes are infused with a **special anti seize** compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens.
Provided with tempered, impact resistant **crystal clear low iron glass** ensuring no green glass tinge.

Optics & LED
Precise optic design provides **exceptional light control and precise distribution of light.**
LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 60,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Standard Options

Lamp	Beam	LED Color	Finish Color
20w LED 1933 Lumens for 96/K/VW & EW Beam	M - Medium 31° W - Wide 53° VW - Very Wide 66° EW - Extra Wide 110°	W27 - 2700K W30 - 3000K W40 - 4000K	01 - Black - RAL 9011 02 - Dark Grey - RAL 7043 03 - White - RAL 9010 04 - Metallic Silver - RAL 9006 05 - Matte Silver - RAL 9006 06 - Bronze - RAL 8014 07 - Custom RAL

Options (Consult Factory for Pricing)

SCE - Custom Surface Conduit Entry Box EMR - Remote Emergency Pack	F - Frosted Lens NAT - Natatorium & High Corrosion Environments

Ordering Example : UVK - 30001 - 20w - T2 - W30 - 02 - 120/277v - Options

	Lamp	Beam	LED Color	Color	Voltage	Options
UVK	30001	20w LED	M Medium W Wide VW Very Wide EW Extra Wide T2 Type II Distribution T3 Type III Distribution T4 Type IV Distribution	W27 2700K W30 3000K W40 4000K	01 Black 02 Dark Grey 03 White 04 Metallic Silver 05 Matte Silver 06 Bronze 07 Custom RAL	120/277v (Driver On/Off)	SCE Surface Conduit Entry EMR Remote Emergency Pack F Frosted Lens NAT Natatorium/Anti Rust

PROJECT: DATE: QUANTITY:
TYPE: NOTE:

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information.
Due to the continual improvements in LED technology data and components may change without notice.

Head Office:
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Fax: 503-645-0100
www.ligmanlightingusa.com

Rev 2/16

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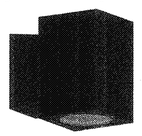
LIGHT

Surface

UTA-31891
Tango 32 Up/Down Light

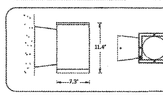
LIGMAN LIGHTING USA

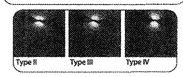


Wall luminaires with a selection of light distributions and LED wattages with upward & downward light distributions. The Tango is unique as it is available with Type I,II,III,IV & V light distribution options that facilitates wider spacing and even light distribution between the light fixtures. Spacings of up to 40' on centre, and a 14' mounting height with a 2 fc average can be achieved using the type II optic. This provides higher energy saving and reduced installation costs. The Tango 31 cylindrical or Tango 32 square up-down versions can be manufactured using different type beam distributions for the up and down optics.
Integral electronic control gear.
Mounting plate for 3" and 4" junction box is provided with the fixture. Matching surface mount conduit boxes are available as an option.
Custom round pole adapters can be manufactured to suit specific pole diameters for column mounting applications. Please contact the factory for more information.

For the Cylindrical up/downlight option, see Tango 31.

Physical Data
Length - 7.3"
Height - 11.4"
Weight - 18.5 lbs
IP65 - Suitable For Wet Locations
IK08 - Impact Resistant (Vandal Resistant)





Aluminum Casting
Less than 0.1% copper content – Marine Grade LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre-paint
8 step degrease and phosphate process that includes dewelding and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket.
Provided with special injection molded **"fit for purpose"** long life high temperature **memory retentive silicon gaskets.** Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management:
LM6 Aluminum is used for its **excellent mechanical strength and thermal dissipation properties** in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature ramps to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - U0 - G1

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint.
UV Stabilized 4.0MIl thick powder coat paint and baked at 200 Deg C.
This process ensures that Ligman products can withstand harsh environments.
Rated for use in aggressive environments.

Hardware
Provided Hardware is **Marine grade 316 Stainless steel.**

Anti Seize Screw Holes
Tapped holes are infused with a **special anti seize** compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens.
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides **exceptional light control and precise distribution of light.**
LED CRI > 80

Lumens - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Standard Options

Lamp	Beam Up	Beam Down	LED Color	Finish Color
2x37w LED 2x28w LED 2x20w LED	T2 - Type II - 2706lm T3 - Type III - 2722lm T4 - Type IV - 2775lm (Lumen output for 2x37w LED)	T2 - Type II - 2706lm T3 - Type III - 2722lm T4 - Type IV - 2775lm (Lumen output for 2x37w LED)	W27 - 2700K W30 - 3000K W40 - 4000K	01 - Black - RAL 9011 02 - Dark Grey - RAL 7043 03 - White - RAL 9010 04 - Metallic Silver - RAL 9006 05 - Matte Silver - RAL 9006 06 - Bronze - RAL 8014 07 - Custom RAL

Options (Consult Factory for Pricing)

F - Frosted Lens EMG - Emergency Battery Pack SCE - Custom Surface Conduit Entry Box HGT Specify Custom Height NAT- Natatorium & High Salt Environments RPA- Round Pole Adapter		DIM - 0-10v Dimming

Ordering Example : UTA - 31891 - 2x37w - T2 - W30 - 02 - 120/277v - Options

	Lamp	Beam Up	Beam Down	LED Color	Color	Voltage	Options
UTA	31891	2x37w 2x28w 2x20w	T2 Type II T3 Type III T4 Type IV	W27 2700K W30 3000K W40 4000K	01 Black 02 Dark Grey 03 White 04 Metallic Silver 05 Matte Silver 06 Bronze 07 Custom RAL	120/277v (Driver On/Off)	SCE Surface Conduit Entry EMG Emergency HGT Custom Height F Frosted Lens NAT Natatorium Rated RPA Round Pole Adapter DIM 0-10v Dimming

PROJECT: DATE: QUANTITY:
TYPE: NOTE:

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WILSON MEANY

LIGHTING CONSULTANT
LIGHT

DATE
REVISIONS
DESCRIPTION

DRAWING CONTENTS
LIGHTING CUT SHEETS - 03 - BUILDING 2C

HOLLYWOOD PARK RESIDENTIAL - MU-2C
INGLEWOOD, CALIFORNIA
HOLLYWOOD PARK RETAIL AND COMMERCIAL INVESTORS, LLC

NOT FOR CONSTRUCTION

THIS SET OF CONSTRUCTION DOCUMENTS HAS BEEN PREPARED FOR THE CONSTRUCTION OF AN APARTMENT PROJECT.

LD0.13

2017-083
JOB NUMBER

PLOT PLAN RESUBMITTAL
ISSUED AS

06-21-2018
ISSUE DATE