CAMBER

PENDANT DIRECT/INDIRECT

LUMENWERX
WWW.LUMENWERX.COM

Shown with PMO optics

DESCRIPTION

Camber is a linear pendant luminaire with a thin, articulated profile. Camber provides wide spread uplight and well controlled downlight. This highly efficient and comfortable illumination is offered in a wide range of light distributions together with comprehensive electrical and controls options. Please see additional specification sheets for LED and for Camber ICL with independently controllable light distribution, as well as other mounting arrangements.

PROJECT: _____

TYPE: _____

NOTES: _____

ORDER GUIDE

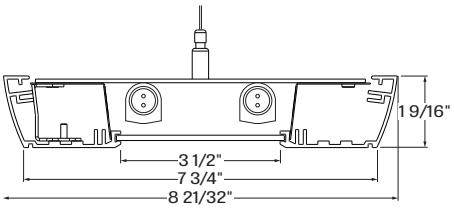
CAMP	PMO				
LUMINAIRE ID	**OPTICS**	**LIGHT SOURCE**	**NUMBER OF LAMPS**	**LIGHT DISTRIBUTION**	**LUMINAIRE LENGTH**
CAMP - camber pendant	**PMO** - precision micro-prism Optic	**T5** - T5 lamp **T5HO** - T5HO lamp	**1** - 1 lamp **2** - 2 lamps **3** - 3 lamps	**80-20** - 80% down - 20% up **60-40** - 60% down - 40% up **30-70** - 30% down - 70% up	**#FT** - nominal length in feet Sections - 4', 8' and 12' only Continuous Run - for luminaires over 8' in multiples of 4'

VOLTAGE	BALLAST	ELECTRICAL	MOUNTING
120 - 120V **277** - 277V **UNV** - 120V-277V **347** - 347V (not available with Lutron)	**RS** - rapid start **D** - dimming 0-10V **ST** - step dimming **DA** - dali **LHL** - Lutron Hi-Lume 3D **LEH** - Lutron EcoSystem H **LE**- Lutron EcoSystem	**1** - 1 circuit **2** - 2 circuits **+#EB** - emergency battery (min 4' fixture, except Lutron) **+#EM** - emergency light circuit **+#NL** - night light circuit **+GTD###** - generator transfer device, 120V or 277V	**53WAC36** - power 5" + non power 3" white canopy (36" air craft cable) **55WSW18** - power 5" + non power 5" white canopy & stem (18" stem) For all other options refer to our Pendant Mounting Guide

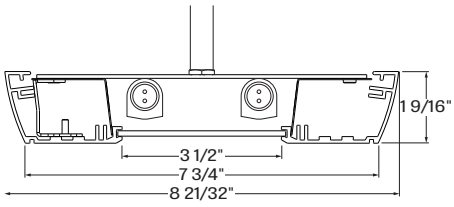
See page 2 for ordering code detailed information

FINISH	CONTROLS	OPTIONS
W - matte white **B** - Black **CF#** - custom finish specify RAL#	INDIVIDUAL CONTROLS **OMS** - Onboard Occupancy **ODS** - Onboard Daylight **OCS** - Onboard Occupancy & Daylight GROUPED CONTROLS **LSC** - Local system **NSC** - Network system	**FU** - fuse **TB#** - T-bar caddy clip specify grid size **TG#** - Tegular caddy clip specify grid size **ST** - Screw Slots caddy clip **CU** - custom

CROSS SECTION



CAMP - air craft cable



CAMP - stem

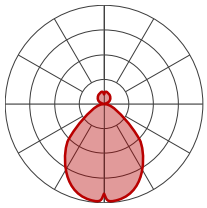
OPTICS

PMO - Precision Micro-prism Optic

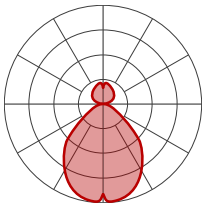
OPTICS

PRECISION MICRO-PRISM-OPTIC (PMO) - precisely formed pyramidal prisms with a 0.06" square base provide outstanding control of high-angle brightness. Upper diffuser yields 70/30 indirect/direct distribution. The widespread uplight provides a batwing distribution with peak intensity at 117° and a peak-to-zenith ratio of 2.7:1; shielding from the PMO optic provides 45° optical cut off. Upper reflectors create options for a higher downlight component Camber with is suitable for wide row spacing with a comfortable ceiling brightness gradient.

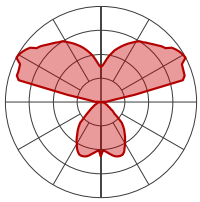
LIGHT DISTRIBUTION



80-20 - 80% down - 20%up



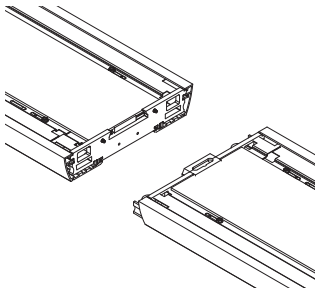
60-40 - 60% down - 40%up



30-70 - 30% down - 70%up

LUMINAIRE LENGTH

Camber is made up of standard 4, 8 and 12 foot sections only that may be joined together to create continuous run lengths. Nominal run length required must be noted in the product code. The minimum individual section available is 4 feet. All individual sections are joined together onsite using the joiner kits provided. LumenWerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.



Joining system for Camber

ELECTRICAL

Universal input voltages with multiple control schemes offered. Consult factory for availability.

EMERGENCY

Factory installed long life high temperature recyclable Ni-Cad battery pack with test switch and charge indicator, minimum of 90 minutes operation. Recharge time of 24 hours.

MOUNTING OPTIONS

Fixtures can be pendant-mounted, using aircraft cables, or stem-mounted. Unless otherwise specified, LumenWerx provides the following hardware:

For cable-mounted fixtures - 53WAC36 (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" cable)

For stem mounted fixtures - 55WSW18 (5" white canopy for all power mounting point, and non power mounting point, and a 18" white stem)

Caddy clips, if required specify under **OPTIONS**

For all other options, see our website for a detailed Pendant Mounting Guide

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - matte white or aluminum powder coating. Custom finishes are also available.

CONTROLS

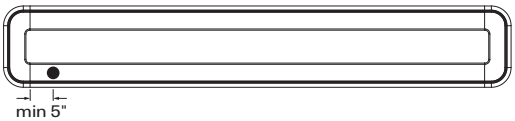
LumenWerx offers several options for integrating occupancy and daylight controls. Whether a sensors control its own fixture or is part of a group of fixtures, lights can be automatically controlled according to different energy saving strategies.

With **individual Controls**, an on-board sensor controls the fixture in which it is installed. Depending on the length, more than one sensor may be necessary and may control the entire fixture, or just a section.

With **Grouped Controls**, on-board or remote sensor are part of a either a local or network sensor infrastructure. It's possible to scale the controls, from a switch to a fixture setup, to a room or a whole building Occupancy and or daylight harvesting.

INDIVIDUAL CONTROLS

Individual controls are integrated into the fixture and are therefore easy to use and allow for a cleaner looking space as no ceiling or wall-mounted sensors are required. Individual controls can be one of three types (**OMS**) Occupancy, (**ODS**) Daylight Harvesting (Photocell), or (**OCS**) combined occupancy and daylight harvesting. These controls will be installed with factory settings, but most offer field adjustability with regular tools or manufacturer supplied configuration tools.



Location of an Onboard control

GROUPED CONTROLS

Local systems permit added flexibility and interconnectivity. Each fixture can now become part of a group of fixtures and be controlled by On-Board or remote sensors as well as wireless switches or controllers. With this architecture, it is now possible to have fewer fixtures with On-Board sensor which control all of the fixtures of the lighting zone. In order to have grouped controls programmed in factory, it is required that a floor layout with requested grouping and functionality be supplied. Field commissioning is also possible but must be requested and discussed before final Purchase Order is placed.

Network Controls, Lumenwerx fixtures are compatible with most popular BMS integration protocols such as DALI, DMX, EnOcean, BACnet, Enlighted and Lutron Ecosystem just to name a few. Field commissioning is usually required and details must be discussed before final Purchase Order is placed.
Please contact our controls department at controls@lumenwerx.com for further assistance.

CONSTRUCTION

Housing - Extruded Aluminum 0.075" nominal, matte white or aluminum powder coating. Custom finishes are also available.
End cap - Die cast Aluminum (0.95" nominal)
Joiners - male/female system made in Die cast Aluminum (0.95" nominal)
Interior brackets - Die formed cold rolled sheet steel 20 gauge thick
Reflectors - Flat rolled Aluminum sheet 0.040" thick precisely die formed, 95% reflective matte white painted
Hanger - Chromed Griplock securely attached with spring steel hardware in end caps and/or joiners
Air craft Cable Suspension - 7x7 braids Aluminum air craft cable 0.06" thick
Stem - 0.5" diameter threaded steel tube matte white or aluminum powder coating. Custom finishes are also available

WEIGHT

Camber 4 4ft - 11.67lbs - 5.3kg
Camber 4 8ft - 20.92lbs - 9.5kg
Camber 4 12ft - 30.40lbs - 13.8kg

CERTIFICATIONS

ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.