LUMINIS®

PR1680/PR1685 SERIES
PRISMA 16” - LED
Pendant

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:								
	FIXTURE	WATTAGE	VOLTAGE	FINISH	OPTION	OPTION	OPTION	OPTION

1- Standard heavy duty 45º hang straight swivel, with 5” diameter (127) canopy and universal mounting plate.
2- 7/8” diameter (22) X36” long (914) suspension stem with aircraft safety cable.
Other lengths available on request (specify STM with desired length).
3- Extruded aluminum driver housing.
4- **PR1680:** Diffused acrylic prismatic refractor.
PR1685: Aluminum reflector.
Inner surface: multi-faceted specular anodized.
Exterior surface: Satin anodized natural aluminum.
Alternate exterior finish (Option RP6)

PR1680

PR1685

MATERIALS
Prisma is made of an extruded aluminum housing designed to optimize the functionality of the driver and solid state components.
Prisma is available with a choice of two interchangeable reflectors.
- Aluminum reflector designed to optimize light source performance and uniformity.
- Diffused acrylic prismatic refractor with a linear peripheral pattern providing general upward illumination with efficient down lighting.

ELECTRICAL
LED

DRIVER Standard driver is 0-10V dimming-ready (dims to 1%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -20ºC/-4ºF to +50ºC/122ºF, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Standard 4000K CCT/80 CRI. Other CCTs available from 2700K to 3500K. Optional 97 CRI for critical color rendering. See electrical options.

LIFE
125,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH
Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

MOUNTING
Maximum weight: 12.1lbs (5.5kg)
Mounts on a standard 4” (102) octagonal electrical box with 3 1/2” (89) C/C mounting holes.
Fixture must be installed on a finished ceiling for exterior applications and/or when exposed to inclement weather.

CERTIFICATION
Tested to UL1598 and CSA 22.2 #250.
ETL listed damp location (exception: DMX models are dry location).
Photometric testing per LM79-2008, LED Light source with LM80 certified testing. CE certification on request.
Rated IP20.

May 2019 Rev.0

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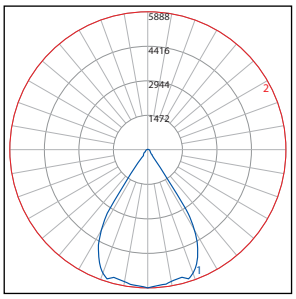
260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

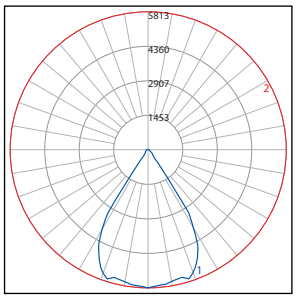
Luminaires may be altered for design improvement or discontinued without prior notice.

TYPICAL PHOTOMETRY SUMMARY



PR1680-L1L60

Descriptive Information
Total delivered lumens: 6138 Lumens
Input watts at 120V: 50.0 W
Efficacy: 123 Lumens/Watt
Source: LED
CCT/CRI: 4000K/80CRI
Maximum Candela = 5,888 @ 0ºH/0ºV



PR1685-L1L60

Descriptive Information
Total delivered lumens: 6059 Lumens
Input watts at 120V: 50.0 W
Efficacy: 121 Lumens/Watt
Source: LED
CCT/CRI: 4000K/80CRI
Maximum Candela = 5,813 @ 0ºH/0ºV

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

LUMINAIRE SELECTION

MODEL#

☐ PR1680

☐ PR1685

LED LIGHT SELECTION

SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT ºK
☐ L1L20	16W	2174	80	4000K
☐ L1L30	24W	3166		
☐ L1L40	33W	4248		
☐ L1L50	41W	5210		
☐ L1L60	50W	6138		

SUFFIX	INPUT WATTS	DELIVERED LUMENS	CRI	CCT ºK
☐ L1L20	16W	2146	80	4000K
☐ L1L30	24W	3126		
☐ L1L40	33W	4194		
☐ L1L50	39W	4909		
☐ L1L60	50W	6059		

VOLTAGE [1]

☐ 120V
☐ 208V
☐ 240V
☐ 277V

Optional
☐ 347V

FINISH

STANDARD COLORS

☐ WHT Snow white
☐ BKT Jet black
☐ BZT Bronze
☐ MST Matte silver
☐ GRT Titanium gray
☐ DGT Gun metal
☐ CHT Champagne
☐ SGT Steel gray
☐ BGT English cream

OPTIONAL COLORS

☐ CS Custom color
☐ RAL RAL# color

(Refer to color chart)

OPTIONS (refer to page 3 for details)

ELECTRICAL

☐ **FS** Fuse
☐ **DMX/RDM** DMX/RDM control dim to dark (0%)[2]. Not available on L1L60. Housing increases by 2.4".
IMPORTANT: Mounting must be selected. Choose between STM, DSPG or CK.

CCT Options - 4000K supplied as standard (Apply multiplier to listed values for lumens output reference)
☐ **K27** 2700K CCT 80 CRI (Multiplier 0.92)
☐ **K3** 3000K CCT 80 CRI (Multiplier 0.95)
☐ **K3D** 3000K CCT 97 CRI (Multiplier 0.68)
☐ **K35** 3500K CCT 80 CRI (Multiplier 0.98)
NOTE: Other CCT & higher CRI available, please consult factory.

ACCESSORIES

☐ **BC16** Aluminum lower diffuser band, same color as luminaire (only available on PR1680)
☐ **DC16** Diffused acrylic prismatic bottom conical lens[3] (loss factor approx. 6%)
☐ **GL16** Zinc plated concentric ring guard
☐ **CF16** Clear acrylic flat bottom lens (loss factor approx. 5%)
☐ **DF16** Diffused acrylic flat bottom lens (loss factor approx. 6%)
☐ **RP6** Inner reflector specular aluminum. Exterior same color as luminaire (only available on PR1685)

EMERGENCY

☐ **REML2-50** Remote mount battery backup for LED, 90 min., 7W Remote mount to 50ft - 12" Square enclosure with access cover.
☐ **EMLC2** Integral battery backup for LED, 90 min., 7W Integral to luminaire within oversized ceiling canopy.[4]
☐ **EMLC3** Integral battery backup for LED, 90 min., 7W Integral to luminaire within a 3.5" dia. tube mounted vertically below canopy.[5]
☐ **EMLC4** Integral battery backup for LED, 90 min., 10W Integral to luminaire.[6]

MOUNTING

☐ **CAT2** Catenary suspension attachment. Weight: 4.5lbs (2kg)
☐ **CK** Surface ceiling mount[7]
☐ **STM** Longer hang straight stem. Please add length with option suffix.[8]
☐ **SPG** Silver braided power cord with adjustable aircraft safety cable. 36" in length (other lengths on request)
☐ **DSPG** 36" silver braided power cord and gray DMX-485 cable with adjustable aircraft safety cable. (other lengths on request).[9]
☐ **TA** 3/4" NPT conduit adaptor

NOTES
1- Luminaires are factory prewired for 120V unless otherwise specified.
2- Default dimming curve: Logarithmic. Factory set to address one unless otherwise specified. Refer to DMX Reference Guide for more information (available on website).
3- DC16 not available with GL16 option.
4- EMLC2 not available with CK, CAT2 or TA options.
5- EMLC3 not available with CK, CAT2, TA or STM options.
6- Housing will increase by 1.2". Not available on L1L60. Not appliable for 347V.
7- Surface ceiling mount extends OAH of fixture by 1" (25.4).
8- If DMX/RDM option is selected, STM maximum length is 36" (914).
9- DSPG option is only available if DMX/RDM option is selected.

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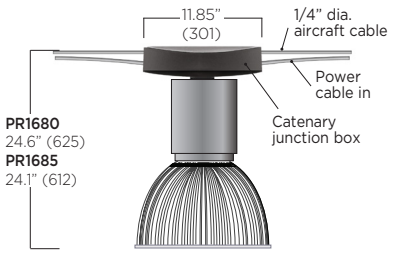
OPTIONS

MOUNTING

CK*
Surface ceiling mounting option
*Extends OAH of fixture by 1" (25.4)

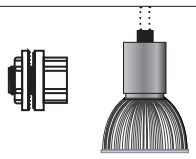
STM
Heavy duty 45º hang straight swivel, with 5" Dia. (127) canopy and universal mounting plate. 7/8" Dia. (22) X36" Lg. (914) suspension stem with aircraft safety cable. Other lengths on request (specify STM with desired length).
NOTE: If DMX/RDM is selected, maximum length is 36" (914).

SPG
4/18 X 36" lg. silver braided power cable c/w on site adjustable aircraft safety cable.
Longer cable available on request.



CAT2
Cast aluminum catenary junction box with (2) 1/2" sealed connectors for power cable. Ready to accept 1/4" stainless steel suspension cable. (Structural design, power cable, stainless steel catenary cable, cable fittings, and fittings for mounting to support structure provided by others.)
Weight: 4.5lbs (2kg)
NOTE: To ensure fixture hangs straight, suspension cable must be tightened with no slack.

MOUNTING



TA
3/4" NPT Suspension conduit adaptor. (Conduit by others) Supplied with 3X18 ga.X36" lg. wiring. (Longer wires to be specified.)

only available if DMX/RDM option is selected

DSPG
4/18 X 36" lg. silver braided power cable c/w 36" lg. gray DMX RS-485 cable. On site adjustable aircraft safety cable.
Longer cable available on request.

ACCESSORIES

DC16
Diffused acrylic prismatic bottom conical lens with nickel plated clamp ring

CF16
Clear acrylic flat bottom lens with nickel plated clamp ring

DF16
Diffused acrylic flat bottom lens with nickel plated clamp ring

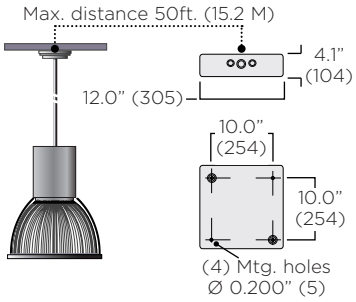
ACCESSORIES

GL16
Zinc plated concentric ring guard

PR1685 Only
RP6
Inner reflector specular aluminum
Exterior same color as luminaire

PR1680 Only
BC16
Aluminum lower diffuser band
(Same color as luminaire)

ELECTRICAL



REML2-50
7W Remote mount 120/277V emergency battery pack. Test switch provided within enclosure with 5" (127) leads.

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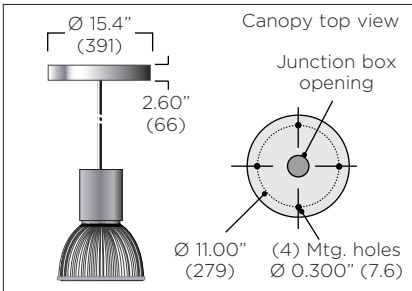
OPTIONS

ELECTRICAL



EMLC2
7W Canopy mount integral 120/277V emergency battery pack.

EMLC3
7W Suspension mount 120/277V emergency battery pack. Only available with SPG option.

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