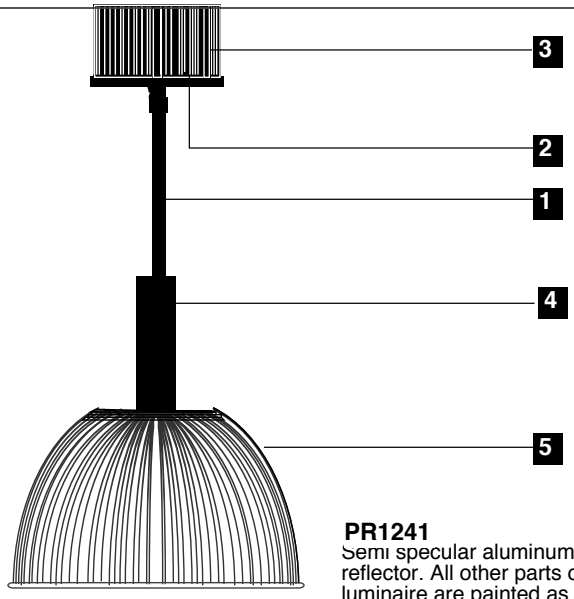
LUMINIS

Ceiling mount PRISMA SOLO 12



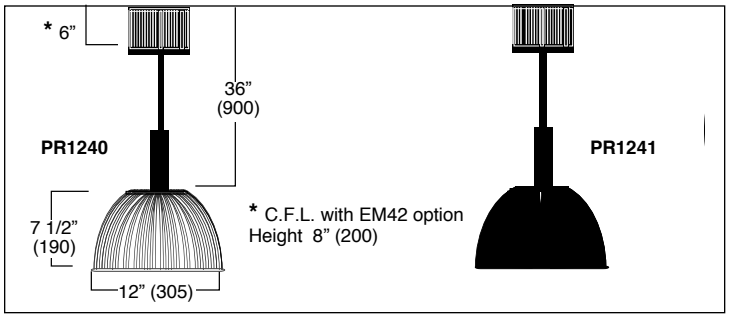
PR1241
Semi specular aluminum reflector. All other parts of luminaire are painted as per specified color.

PR1240

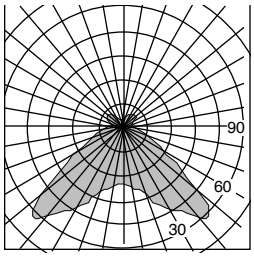
Specification — PR1240 . PR1241

Ceiling pendant with clear acrylic prismatic diffuser or semi specular anodized aluminum reflector. An array of optional attachments and accessories are available to customize, and adapt each luminaire to particular design scheme and lighting concept.
Finish: All polyester powder baked coatings preceded with a 5 baths preparation process.
- Pulse rated porcelain socket or 75W/600V thermoplastic compact fluorescent socket.
- High power factor CWA ballast. Or 98% P.F.electronic smart ballast with end of life detection for compact fluorescent.

1- 5/8" Dia.(16) X36" lg. (900) suspension stem.
Precut factory stems are available on request
(Specify option STM with desired length).
(Options STM60 & STM80 for longer stems.)
2- Cast aluminum removable cover for quick maintenance.
Heavy duty hang straight swivel.
3- Extruded aluminum ballast housing module with a fine linear stria pattern.
4- 1 1/2" Dia.(38) aluminum tube extension.
5- **PR1240:** Clear acrylic prismatic diffuser.
(Colored lens diffusers are available on request)
PR1241: Semi specular anodized aluminum reflector.
Alternate reflector finish (Options RP2)



Photometry



Separate updated technical specification sheets with related models and light sources with I.E.S formatted photometry are available on **www.luminis.com.**

Certification

UL. Indoor use.
(CE certification on request)

Mounting.

Max. weight: 16 lbs.(7.2).
Installation: Mounts over a standard 4"(100) octagonal box with 3 1/2" (89) c/c mounting holes.

Refer to pages **16 .17 . 18** for details on listed options.

Model#

☐ **PR1240**
☐ **PR1241**

Light source selection

CF (Gx24q)

Single lamp	Two lamps
☐ F132	☐ F226
☐ F142	☐ F232
☐ F157	☐ F242
☐ F170	☐ F257

MH (ED17)	INC. (A19)
☐ M50	☐ A100
☐ M70	
☐ M100	

(Open rated lamps only.)
(Lamps: By others)

Voltage

120 V Standard factory prewired
(If no voltage is specified)
For other voltages, please specify with catalog number.

H.I.D. (ED17)
☐ 120 V
☐ 277 V
☐ 347 V

COMP. FLUO.
Smart ballast 120/277
☐ 347 V (To specify)

Finish

(Refer to color chart)

Standard selection
☐ **WHT**:Snow white
☐ **BKT**: Jet black
☐ **BZT**: Bronze
☐ **GRT**: Titanium gray
☐ **DGT**: Gun metal
☐ **CHT**: Champagne
☐ **MST**: Matte silver

Optional colors
☐ **CS**: Custom color
☐ **RAL**: RAL# color

Options

Mounting
☐ **STC**: Safety cable.
☐ **STM60:** 60"lg. (1525) Stem.
☐ **SW45:** 36" lg. stem with 45º hang straight swivel.
☐ ***TCB**: Black spiral power cord.
☐ ***TCW**: White spiral power cord.
☐ ***SPB**: 3/18 black straight power cord with aircraft cable.
☐ ***SPW**: 3/18 white straight power cord with aircraft cable.

Accessories
☐ **W12**: Frosted prismatic diffuser.
☐ **L12:** Clear flat bottom lens.
☐ **LC12**: Cross blades louver.
☐ **BA12:** Satin anodized band.
☐ **BC12:** Colored alum. band same as luminaire.
☐ **RP2** : Inside reflector semi-specular. Outside reflector same as luminaire

*Available with H.I.D. lamps only

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

LUMINIS [USA] - 3555 NW 53rd Court, Fort Lauderdale, FL.33309 Tel: 954 .717 .4155 Fax: 954 . 717.4157 Web: www.luminis.com.
LUMINIS [Canada] - 87 C Brunswick D.D.O. Q.C. Canada H9B 2J5 Toll free: 888 .401 .6999

Sept. 2006 Rev.Feb.2007

Emergency battery back-up

EM42	EM242
One lamp:	Two lamp:
26w: 450 Lmns..	26w / 32w
32w: 575 Lmns.	750 Lmns.
42w: 750 Lmns.	

Time: 90 Mnts -120/277V / T 0º C

Note:
*Unless otherwise specified, test switch and indicator light are installed with luminaires at all times.
*Standard factory prewiring for **Unswitched luminaire.**

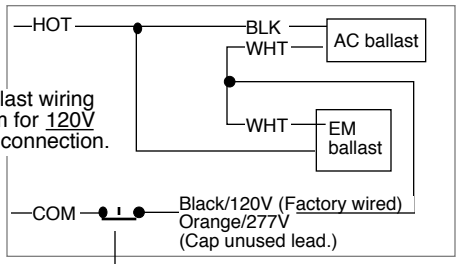
Optional:

* **EM42S** Switched luminaire wired for external wall switch control.
* **EM242S** To be specified if required.

For 57w & 70w:
(Remote installation only) Consult factory

Note: Overall luminaire height will increase by 2" (50) to accommodate battery back-up

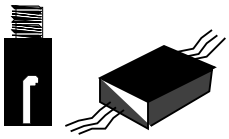
EM Ballast wiring diagram for 120V factory connection.



If remote test switch is required, please add -S to option

Quartz lamp restrike

Option: **QRS**



Quartz restrike standby lamp kit. When power failure is restored, it will energize temporary Quartz lamp with progressive dimming until full H.I.D light output is produced.
max.100w DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Electronic dimming ballast



Dimming specification

Specifying option 120V	277V	N0. of lamps
DM1-120	**DM1-277**	1X26/32/42W
DM2-120	**DM2-277**	2X26W
2DM2-120	**2DM2-277**	4X26W
DM3-120	**DM3-277**	2X32/42W
DM3-120	**DM3-277**	1X57/70W
DM4-120	**DM4-277**	2X57/70W
2DM3-120	**2DM3-277**	4X32/42W
3DM3-120	**3DM3-277**	6X32/42W
DM5-120	**DM5-277**	4X57/70W

Standard dimming ballast
MARK X 60HZ / EOL protection
Dimming;5-100% Min. start. temp. 10ºC (50ºF)
Burn lamps 100 hrs at full light output before dimming.

Quartz lamp emergency socket

Option: **QS**



Quartz lamp socket for external 120V emergency power input.
Separate 120V dedicated wiring is included.
max.100 W DC bayonet type.
(Lamp is not included.)
Not Applicable with CFL lamps.

Pulse start ballast

Note: Add suffix PS to selected lamp wattage.

Use of pulse start lamp and ballast combination requires a lens enclosure with the luminaire. Please check with compatible luminaire lens option.

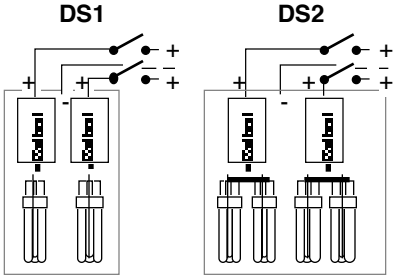
Note: Some pulse start lamps may be available as protected lamp version to eliminate the lens enclosure. If required, please contact factory to verify availability and compatibility.

Dual switching

Luminaires ballasts are wired for external switching control.

DS1: Luminaires with 2 lamps individually externally controlled.

DS2: Luminaires with 4 lamps or more are externally controlled by set of 2 lamps.(for other lamp groupings, please consult factory)



DS2: Luminaire ballast housing length and stem size may be increased to accomodate required number of ballasts.

DS1-26:	Dual single lamp switching 26W
DS2-26:	Dual lamp switching by pair 2x26W
DS1-42:	Dual single lamp switching 32W or 42W
DS2-42:	Dual lamp switching by pair 2x32W or 2X42W
DS1-70:	Dual single lamp switching 57W or 70W
DS2-70:	Dual lamp switching by pair 2x57W or 2X70W
DS1-120:	Dual single lamp switching 85W or 120W
DS2-120:	Dual lamp switching by pair 2x85W or 2x120W
DS2-642:	Dual lamp switching by pair 2x32W or 2X42W
DS2-842:	Dual lamp switching by pair 2x32W or 2X42W
DS2-657:	Dual lamp switching by pair 2x57W or 2X70W

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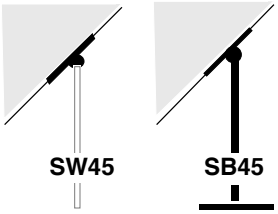
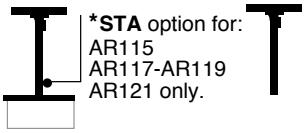
Slope ceiling adaptor



Option: **SW45**
45º hang straight ball swivel for 5/8" dia. suspension stem.

Option: **SB45**
45º hang straight ball swivel for 5/8" dia. suspension stem. with adaptor plate for AR115 AR117 - AR119 - AR121 series

Longer suspension stem



***STA** option for:
AR115
AR117-AR119
AR121 only.

Stems can be cut on site and re-threaded externally (Tap size 1/4-18)

Option

	***STA36**:	36" lg.X5/8" O.D. suspension stem.
STM60	***STA60**:	60" lg.X5/8" O.D. suspension stem.
STM80	***STA80**:	80" lg. X5/8" O.D. suspension stem.

For other factory cut to size length add suffix **-STM** with desired length to catalog# max.120"

Suspension power cord



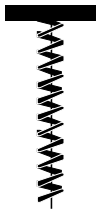
Note: cable size and type may change at factory discretion upon availability, to accomodate required wiring.

Option: **SPW** (White)
SPB (Black)

3/18 X 36"lg. power cord with adjustable aircraft cable.

SPB Black power cable only with options
EM42 / EM42S
EM242 / EM242S
QS / DS/ DS2

Spiral suspension power cord



Option: **TCW** (White)
TCB (Black)

3/18 Spiral power cord Max. 277V
Standard extended length: 3ft.

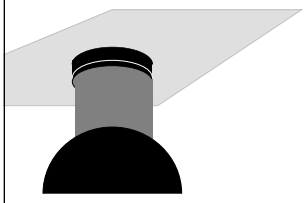
Not applicable when using options
EM42 / EM42S
EM242 / EM242S
QS / DS/ DS2

Safety suspension cable

Option: **STC**

Safety aircraft suspension cable, for applications with earthquake regulations.
Cables extends 18" beyond canopy.
(Secured to building structure)

Ceiling surface mounting.



Ceiling surface mount conversion kit. Mounts with a Standard 4" octagonal electrical box.(by others)

Option:

CK12	Max. watts: C.F.L: 2x42w H.I.D: 100w
CK16	Max. watts: C.F.L: 2x70w H.I.D: 100w

Optional lens:


Frosted


Clear or Frosted


Clear



Luminous blue edge lens

Option:

LBL 15" Dia. Kronos replacement frosted lens with luminous blue clear edging.

Option:

L18F: Frosted acrylic full lens enclosure. (Kronos KR series)

L11: Clear lens (Prisma Nova 12)

L12: Clear lens (Prisma 12)

L16: Clear lens (Prisma 16)

L17: Clear lens (Prisma Nova 16)

L21: Clear lens (Prisma Nova 24)

L22: Clear lens (Prisma 24)

Optional damp location conversion kit:



DA: Damp location converter glass cover

Conduit adaptor



3/4" NPT Female Threaded adaptor
(Electrical conduit and other support hardware by others)

Option:

TA

Cross guard ring



Option:

CLA: Satin anodized.

3/16" thick aluminum cross guard ring. Available with Kronos series only.

Cross blade louver



2" Deep aluminum satin anodized cross blade louver.

Option:

LB12: Satin anodized 12"
LB16: Satin anodized 16"
LB22: Satin anodized 21"

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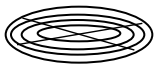
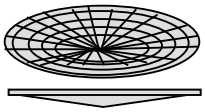
Wire Guard



Option:
GL16 **Prisma 16 series**
GL22 **Prisma 22 series**

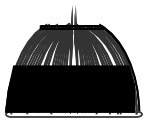
Galvanized wire guard with concentric rings

Clear prismatic conical drop lens



Option:
D12: Clear lens (Prisma 12)
D16: Clear lens (Prisma 16)
D22: Clear lens (Prisma 22)
D12T: Clear lens (Prisma Nova 12)
D16T: Clear lens (Prisma Nova 16)
D22T: Clear lens (Prisma Nova 22)

Diffuser trim



Option:
Aluminum diffuser trim 12" x 3 1/2" high
BA12 Satin anodized aluminum trim.
BC12 Painted aluminum trim same color as luminaire.

Aluminum diffuser trim 16" x 5 1/2" high
BA16 Satin anodized aluminum trim.
BC16 Painted aluminum trim.

Aluminum diffuser trim 21" x 61/2" high
BA22 Satin anodized aluminum trim.
BC22 Painted aluminum trim.

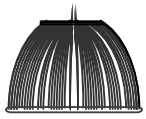
Reflector finish



Option:
Inside reflector: **Semi-specular**
Outside reflector: **Same color as luminaire**

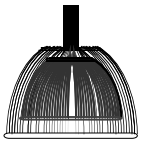
RP2 Prisma 12 & Prisma Nova 12
RP6 Prisma 16 & Prisma Nova 16
RP8 Prisma 22 & Prisma Nova 22
RP9 Kronos & Torx

Frosted prismatic diffuser



Option:
W12
Frosted 12" dia. prismatic lens diffuser.
W16
Frosted 16" dia. prismatic lens diffuser.
W22
Frosted 21" dia. prismatic lens diffuser.

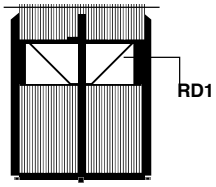
Alternate inner diffuser



Alternate inner diffuser for PR1630 series.

Option:
CR12:
12" dia. inner vibrant red diffuser.
CY12:
12" dia. vibrant yellow inner diffuser.

Alternate Up light reflector finish (Aramis AR101 series)



RD1:
White enamel indirect reflector.
All other visible metal parts as per specified color.

Non compatible options

- (DS1/DS2) Dual switching with (DM) Dimming ballast
- (DS1/DS2) Dual switching with (EM) Emergency battery
- (DM) Dimming ballast (EM) Emergency battery
- QS or QRS option with compact fluo. lamps.

Lamps & ballast compatibility

Compact Fluorescent

Lamp Watts	Lamp base	Ballast Volts
26W	G24Xq3	120/277
32W	G24Xq3	120/277
42W	G24Xq4	120/277
57W	G24Xq5	120/277
70W	G24Xq6	120/277
85W	2G8-1	120
120W	2G8-1	120

Note:
Enclosed rated lamps require a lens protection with the luminaire.
Enclosed rated lamps will not fit with open rated sockets.

Requires lens enclosure option

Metal halide

Lamp watts	Lamp base & Type		ANSI Code
39W	T6	Enclosed rated (G12 base)	M130
39W	PAR20	Open rated (Med.base)	M130
50W	ED17	Open rated (Med.base)	M110/M148
70W	PAR30L	Open rated (Med.base)	M198/M143
70W	ED17	Open rated (Med.base)	M198/M143
70W	T6	Enclosed rated (G12 base)	M139
100W	ED17	Open rated (Med.base)	M90/M140
150W	ED17	Open rated (Med.base)	M102/M142
175W	ED17	Enclosed rated (Med.base)	M57
250W	ED28	Open rated (Mog.base)	M58
400W	ED37	Open rated (Mog.base)	M59

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