



CANDELA

SERIES

Product Overview and Technical information >>



>>
LUMINAIRE > CANDI
BRACKET > CN1-1A
POLE > APR4



CANDS1-RMS-M

CAND1-CN1

CANDS1-CN1S

CAND3-SM

CANDS3-SMS

CAND2

CANDS2

CANDELA

SERIES

Traditional Evolution / Attention to detail is perhaps the most important aspect of the Candela Series. From the European inspired nautical design to the wide range of optical systems available, to the wide assortment of complementary products that harmonize with this luminaire, no stone has been left unturned to give decision makers unprecedented flexibility and design options. >>





>>

LUMINAIRE > CAND1
BRACKET > PC-1A
POLE > APR4-LBC4

GIVING YOU OPTIONS

With a wide range of optical systems, the Candela Series assures photometric efficiency across a variety of applications. Our optics also guarantee an appropriate and reliable lighting solution for nautical environments, roads, parks and other urban applications. The Candela Series is a sure choice for a harmonious integration of any architectural site or urban setting.

ENHANCING YOUR PROJECTS

Traditional style and European inspiration set the tone for the Candela Series. Truly versatile, these luminaires are well suited to nautical environments, as well as to roadways, parks and other urban developments. Whatever the project, be it town or country, the presence of Candela luminaires will bring architectural and landscaped developments to new heights. Functional and with their own unique style, the Candela Series illuminate the creation of an evolving world. >>

BENEFITS

- › Wide selection of options, optics, and styles for greater design freedom.
 - › Durable and easy to maintain construction.
 - › Various heights and sizes for pedestrian scale application.
 - › Available in wall mount versions.
 - › Exceptional photometric performance.
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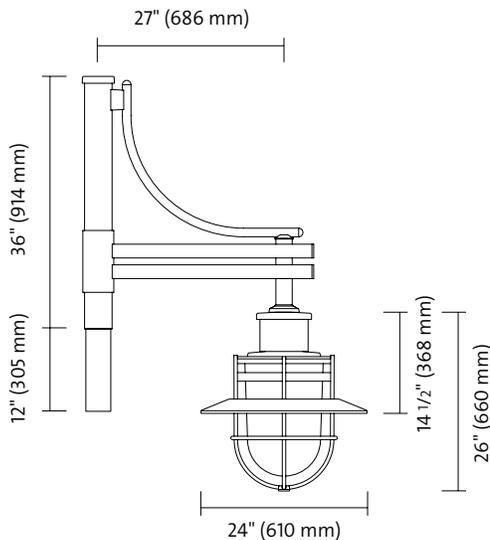
CAND1-CN1

CANDELA SERIES



LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CAND1-CN1
E.P.A.: 4.67 sq. ft.
Weight: 58 lbs (26.3kg)

These globes are available in the following finishes:

PCC: Clear Polycarbonate
PCO: Opal Polycarbonate
PCCPD: POND Polycarbonate

CAND1-CN1, CANDS1-CN1S and CANDS1-CNS-M luminaires are UL and CSA approved

SPECIFICATIONS

Housing

Made from round shaped die cast aluminum (356), c/w a watertight grommet, mechanically assembled to the bracket with four bolts $\frac{3}{8}$ 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degrees increments.

Guard

Made from round shaped aluminum (6063T5) with $\frac{1}{2}$ " (13 mm) rods and is mechanically assembled to the access mechanism.

Arm

Twin arms made from welded rectangular aluminum tubing (6061T6) of 2" x 3" (51 mm x 76 mm), with a $\frac{1}{8}$ " (3 mm) wall thickness, complete with an access door covering a 2 $\frac{1}{4}$ " x 2 $\frac{7}{8}$ " (57 mm x 73 mm) opening.

Decorative Element

Made from welded die cast aluminum (356), with a 1 $\frac{5}{8}$ " (42 mm) outside diameter.

Central Tubing

Made from aluminum (6063T6), with a 4" (102 mm) outside diameter, complete with a tenon that slips 12" (305 mm) inside the pole. The tenon is mechanically fastened to the pole by two sets of three setscrews at 120 degrees around the pole.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding top of the bracket.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

ORDERING INFORMATION

PRODUCT	LAMP	REFLECTOR	VOLTAGE	LUMINAIRE OPTION	FINISH ¹
CAND1-CN1-1A	50 MH, medium	RR3	120	DR ²	BE2/TX
CAND1-CN1-2	70 MH, medium	RR3MD	208	GFI ³	BE6/TX
	100 MH, medium	RR5	240		BE8/TX
	150 MH ⁵ , medium		277		BK/TX
	200 MH ⁵ , mogul		347		BR/TX
	250 MH ⁵ , mogul	SE3		HS ⁴	BR/TX
		SE5			GN/TX
	35 HPS, medium				GN4/TX
	50 HPS, mogul	RACE3			GN6/TX
	70 HPS, mogul	RACE3D			GN8/TX
	150 HPS ⁵ , mogul	RACE5			GN8/TX
	200 HPS ⁵ , mogul				CY3/TX
	250 HPS ⁵ , mogul				RD2/TX
					RD4/TX
	18 CF ⁵				WH/TX
	26 CF ⁵				NP
	32 CF ⁵				TG
	42 CF ⁵				TS

¹ Remote ballast (pole with an enlarge base)

² DR: Duplex receptacle (120 V only)

³ GFI: Duplex receptacle with ground fault interruptor on mounting (120 V only)

⁴ HS: House shield

⁵ Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W), triple tube compact fluorescent (lamp not included)

> See end of document for details on line of poles available.

ORDERING SAMPLE

PRODUCT	LAMP	REFLECTOR	VOLTAGE	LUMINAIRE OPTION	FINISH
CAND1-CN1-1A	100 MH	SE3	240	DR-HS	GN6/TX

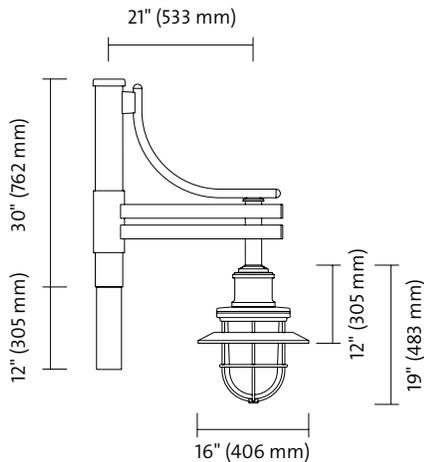
CANDS1-CNS

CANDELA SERIES

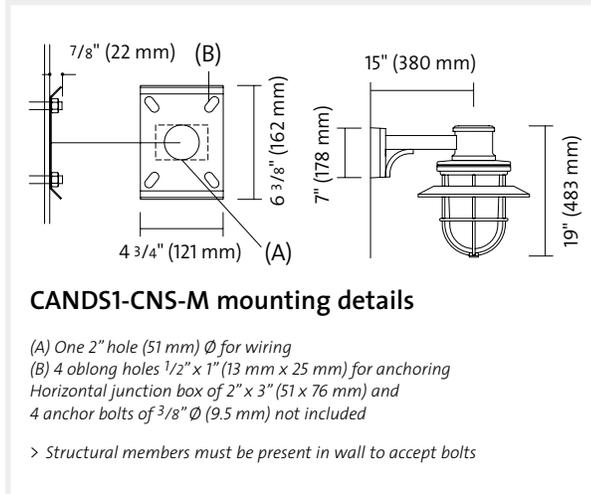


LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CANDS1-CN1S
E.P.A.: 3.33 sq. ft.
Weight: 40.5 lbs (18.37 kg)



CANDS1-CNS-M mounting details

(A) One 2" hole (51 mm) \varnothing for wiring
(B) 4 oblong holes 1/2" x 1" (13 mm x 25 mm) for anchoring
Horizontal junction box of 2" x 3" (51 x 76 mm) and
4 anchor bolts of 3/8" \varnothing (9.5 mm) not included

> Structural members must be present in wall to accept bolts

SPECIFICATIONS

Housing

Made from round shaped die cast aluminum (356), c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degrees increments.

Guard

Made from round shaped aluminum (6063T5) with 3/8" (10 mm) rods and is mechanically assembled to the access mechanism.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

CANDS1-CNS-1A and CANDS1-CNS-2

Arm

Made from aluminium tubing (6063-T6) of 2" x 3" (51 mm x 76 mm), mechanically assembled.

Decorative Element

Made from welded die cast aluminum (356), with a 1 5/8" (42 mm) outside diameter.

Central Tubing

Made from aluminum (6063T6), with a 4" (102 mm) outside diameter, complete with a tenon that slips 12" (305 mm) inside the pole. The tenon is mechanically fastened to the pole by two sets of three setscrews at 120 degrees around the pole.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding top of the bracket.

CANDS1-CNS-M

Arm

Twin arms made from welded rectangular aluminum tubing (6061T6) of 2" x 3" (51 mm x 76 mm), mechanically assembled.

Decorative Element

Bent aluminum rod (6063-T5) of 5/8" (16 mm) exterior diameter, welded to the arm.

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	LUMINAIRE OPTION ⁴	FINISH
CAND1-CN1-1A	50 MH, medium	SR5	120	DR ²	BE2/TX
CAND1-CN1-2	70 MH ¹ , medium	SR5D	208	GFI ³	BE6/TX
CAND1-CNS-M ⁶	100 MH ¹ , medium		240		BE8/TX
			277		BK/TX
	35 HPS, medium		347		BR/TX
	50 HPS, medium				GN/TX
	70 HPS, medium				GN4/TX
	150 HPS, medium				GN6/TX
	18 CF ⁵				GN8/TX
	26 CF ⁵				CY3/TX
	32 CF ⁵				RD2/TX
	42 CF ⁵				RD4/TX
					WH/TX
					NP
					TG
				TS	

¹ Remote ballast (pole with an enlarge base)

² DR: Duplex receptacle (120 V only)

³ GFI: Duplex receptacle with ground fault interruptor on mounting (120 V only)

⁴ Options not available for wall mount CAND1S-CNS-M

⁵ Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W), triple tube compact fluorescent (lamp not included)

⁶ 50 watt maximum. (70 watt and more, consult Philips Lumec)

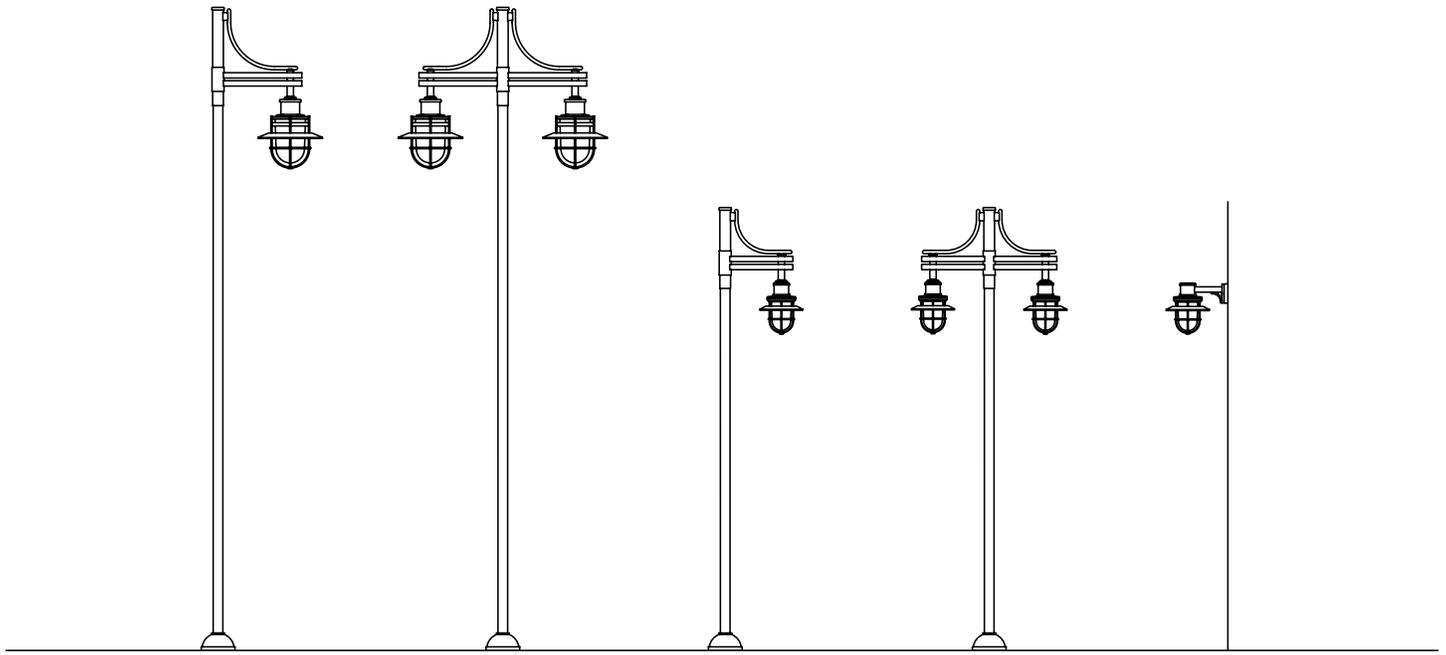
> See end of document for details on line of poles available.

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	LUMINAIRE OPTION	FINISH
CAND1-CNS-M	100 MH	SR5	240	—	GN6/TX



ASSEMBLY EXAMPLES



CAND1
CN1-1A

CAND1
CN1-2

CANDS1
CN1-1A

CANDS1
CN1S-2

CANDS1
CNS-M

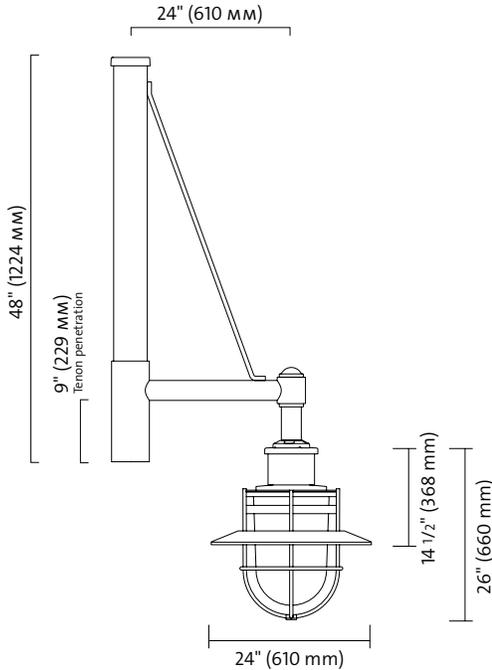
CAND1-PC

CANDELA SERIES



LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CAND1-PC
E.P.A.: 4.67 sq. ft.
Weight: 58 lbs (26.3kg)

These globes are available in the following finishes:

PCC: Clear Polycarbonate
PCO: Opal Polycarbonate
PCCPD: POND Polycarbonate

CAND1-CN1, CANDS1-CN1S and CANDS1-CNS-M luminaires are UL and CSA approved

SPECIFICATIONS

Housing

Made from round shaped die cast aluminum (356), c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degrees increments.

Guard

Made from round shaped aluminum (6063T5) with 1/2" (13 mm) rods and is mechanically assembled to the access mechanism.

Arm

Made from welded aluminum tubing (6061T6) of 2 3/8" (60 mm) outside diameter.

Decorative Element

Bent decorative aluminum rod alloy (6063T5), with 1/2" (13 mm) outside diameter, welded assembly.

Central Adaptor

Made of aluminum. Slip fits 9" (229mm) over a 4" (102mm) outside diameter pole or tenon. Mechanically fastened to the pole or tenon by two sets of three set screws at 120 degrees around the bracket.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding top of the bracket.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	LUMINAIRE OPTION	FINISH ¹
CAND1-PC-1A	50 MH, medium	RR3	120		BE2/TX
CAND1-PC-2	70 MH, medium	RR3MD	208		BE6/TX
	100 MH, medium	RR5	240		BE8/TX
	150 MH ² , medium		277		BK/TX
	200 MH ² , mogul		347		BR/TX
	250 MH ² , mogul	SE3		HS ⁴	GN/TX
	250 PSMH ² , mogul	SE5			GN4/TX
	35 HPS, medium	RACE3			GN6/TX
	50 HPS, mogul	RACE3D			GN8/TX
	70 HPS, mogul	RACE5			CY3/TX
	150 HPS, mogul				RD2/TX
	200 HPS, mogul				RD4/TX
	250 HPS, mogul				WH/TX
	18 CF ³				NP
	26 CF ³				TG
	32 CF ³				TS
	42 CF ³				

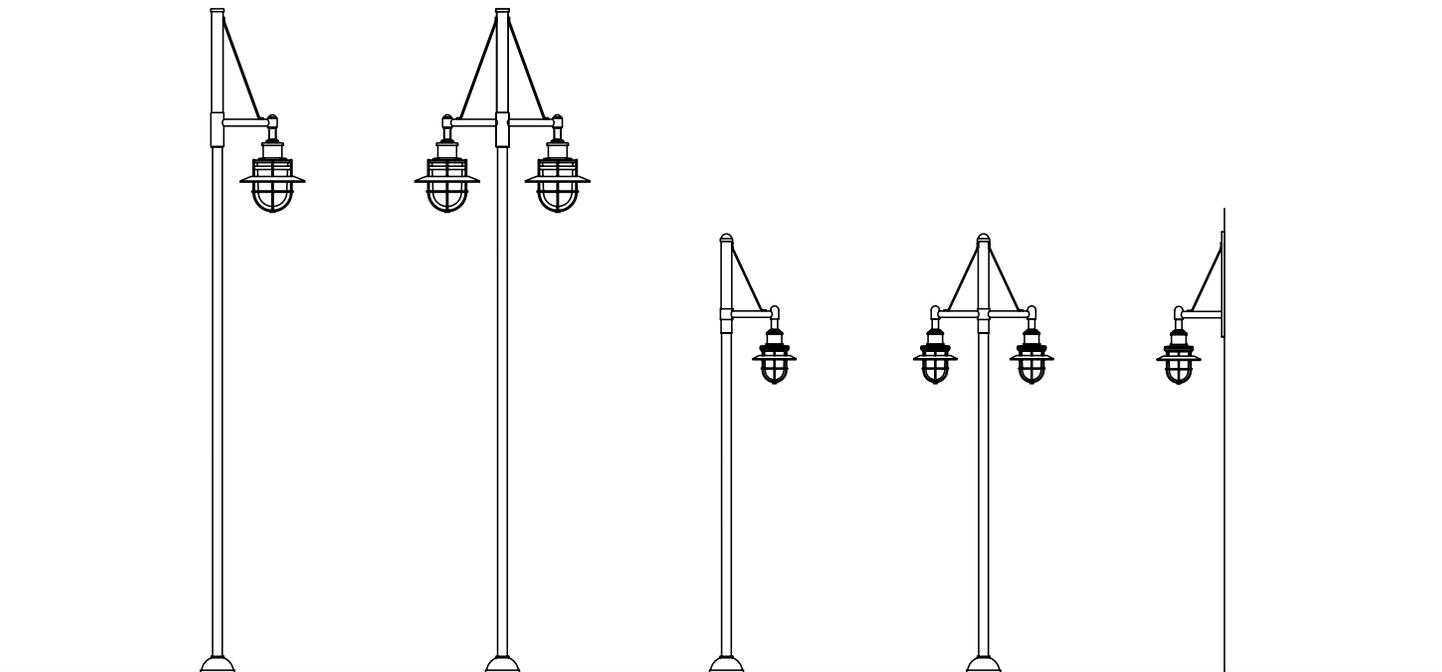
¹ Remote ballast
² HS: House shield

³ Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W),
triple tube compact fluorescent (lamp not included)
⁴ > See end of document for details on line of poles available.

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	LUMINAIRE OPTION	FINISH
CAND1-PC-2	150 HPS	RACE3	208	—	NP

ASSEMBLY EXAMPLES



CAND1
PC-1A

CAND1
PC-2

CANDS1
RMS-1A

CANDS1
RMS-2

CANDS1
RMS-M

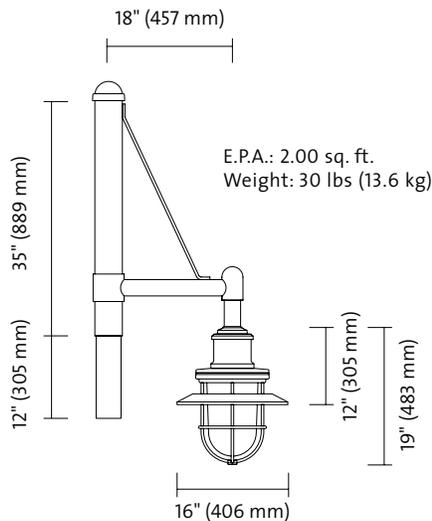
CANDS1-RMS

CANDELA SERIES

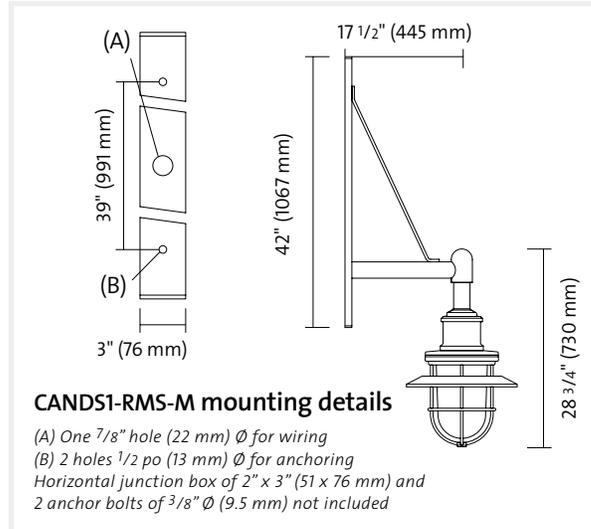


LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CANDS1-RMS
S.E.P.: 2,00 pi²
Poids : 30 lbs (13,6 kg)



SPECIFICATIONS

Housing

Made from round shaped die cast aluminum (356), c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degrees increments.

Guard

Made from round shaped bent aluminum rods (6063T5) of 3/8" (10 mm), mechanically assembled to the access mechanism.

Arm

Made from welded aluminum tubing (6061T6) of 2 3/8" (60 mm).

Decorative Element

Made from bent decorative aluminum rod (6063T5) alloy, of 1/2" (13 mm) outside diameter, welded assembly.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

CANDS1-RMS-1A and CANDS1-RMS-2

Central Tubing

Made from aluminum (6063T6), with a 4" (102 mm) outside diameter, complete with a tenon that slips 12" (305 mm) inside the pole. The tenon is mechanically fastened to the pole by two sets of three setscrews at 120 degrees around the pole.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding top of the bracket.

CANDS1-RMS-M

Anchor plate

Made from aluminum (6061-T6) with a ground fault interruptor. For a 3" x 2" (76 mm x 51 mm) vertical junction box. (Junction box not included)

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH ¹
CAND1-RMS-1A	50 MH, medium	SR5	120	BE2/TX
CAND1-RMS-2	70 MH ² , medium	SR5D	208	BE6/TX
CAND1-RMS-M ³	100 MH ² , medium		240	BE8/TX
			277	BK/TX
	35 HPS, medium		347	BR/TX
	50 HPS, mogul			GN/TX
	70 HPS ² , mogul			GN4/TX
	100 HPS ² , mogul			GN6/TX
	150 HPS, mogul			GN8/TX
	18 CF ²			CY3/TX
	26 CF ²			RD2/TX
	32 CF ²			RD4/TX
	42 CF ²			WH/TX
				NP
				TG
				TS

¹ Remote ballast

² Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W), triple tube compact fluorescent (lamp not included)

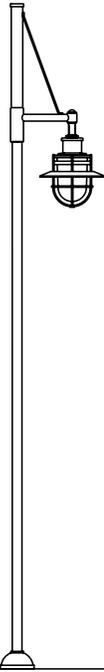
³ 50 watt maximum. (70 watt and more, consult Philips Lumec) triple tube compact fluorescent (lamp not included)
> See end of document for details on line of poles available.

ORDERING SAMPLE

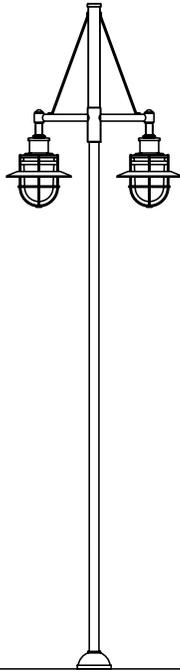
PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH ¹
CAND1-RMS-M	100 MH	SR5	240	GN6/TX



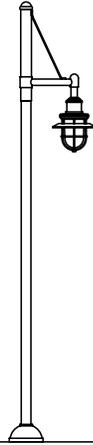
ASSEMBLY EXAMPLES



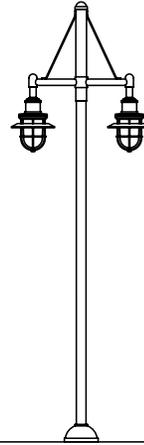
CAND1
PC-1A



CAND1
PC-2



CANDS1
RMS-1A



CANDS1
RMS-2



CANDS1
RMS-M

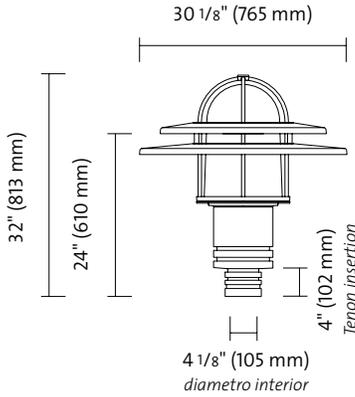
CAND2

CANDELA SERIES



LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CAND2
E.P.A.: 2.43 sq. ft.
Weight: 44 lbs (20.0 kg)

These globes are available in the following finishes:

PCC: Clear Polycarbonate
PCO: Opal Polycarbonate
PCCPD: POND Polycarbonate

CAND1-CN1, CANDS1-CN1S and CANDS1-CNS-M luminaires are UL and CSA approved

Horizontal junction box of 2" x 3" (51 x 76 mm) and 4 anchor bolts of 3/8" Ø (9.5 mm) not included

- > 4" (102 mm) Octagonal junction box not recommended
- > 4" (102 mm) junction box is suitable
- > Structural members must be present in wall to accept bolts

SPECIFICATIONS

Guard

Made from round shaped bent aluminum(6063T5) of 1/2" (13 mm) rods, mechanically assembled to the access mechanism.

Fitter

made from die cast aluminum (356) c/w 4 set screws 3/8 16 UNC. Fits on a 4" (102 mm) outside diameter by 4" (102 mm) long tenon.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding from luminaire.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.



ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH ¹
CAND2	50 MH, medium	RR3	120	BE2/TX
	70 MH, medium	RR3MD	208	BE6/TX
	100 MH, medium	RR5	240	BE8/TX
	150 MH, medium		277	BK/TX
	200 MH, mogul		347	BR/TX
	250 MH, mogul			BR/TX
	250 PSMH ² , mogul			GN/TX
				GN4/TX
				GN6/TX
	35 HPS, medium			GN8/TX
	50 HPS, mogul			CY3/TX
	70 HPS, mogul			RD2/TX
	150 HPS, mogul			RD4/TX
	200 HPS ² , mogul			RD4/TX
	250 HPS ² , mogul			WH/TX
		18 CF ²		NP
		26 CF ²		TG
		32 CF ²		TS
		42 CF ²		

¹ Remote ballast

> See end of document for details on line of poles available.

² Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W),
triple tube compact fluorescent (lamp not included)

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH
CAND2	250 MH	RR5	277	GN8TX



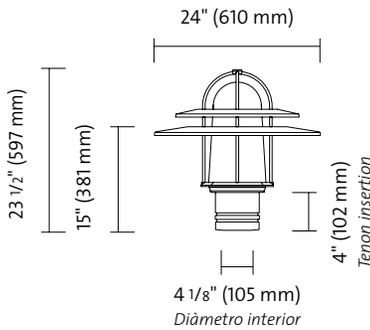
CANDS2

CANDELA SERIES

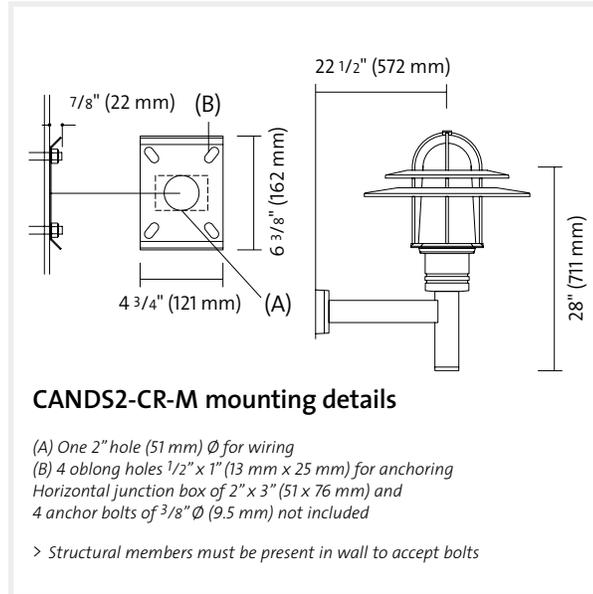


LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CANDS2
E.P.A.: 1.36 sq. ft.
Weight: 44 lbs (20.0 kg)



SPECIFICATIONS

Hood

Made from die cast aluminum (356) dome, mechanically assembled on the luminaire.

Guard

Made from round shaped, bent aluminum (6063T5) of 3/8" (10 mm) rods, mechanically assembled to the access mechanism.

Fitter

made from die cast aluminum (356) c/w 4 set screws 1/4 20 UNC. Fits on a 4" (102 mm) outside diameter by 4" (102 mm) long tenon.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding from luminaire.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH ¹
CANDS2	50 MH, medium	SR5	120	BE2/TX
CANDS2-CR-M	70 MH, medium	SR5D	208	BE6/TX
	100 MH, medium		240	BE8/TX
			277	BK/TX
	35 HPS, medium		347	BR/TX
	50 HPS, mogul			GN/TX
	70 HPS, mogul			GN4/TX
	100 HPS, mogul			GN6/TX
	18 CF ¹			GN8/TX
	26 CF ¹			CY3/TX
	32 CF ¹			RD2/TX
	42 CF ¹			RD4/TX
				WH/TX
				NP
				TG
		TS		

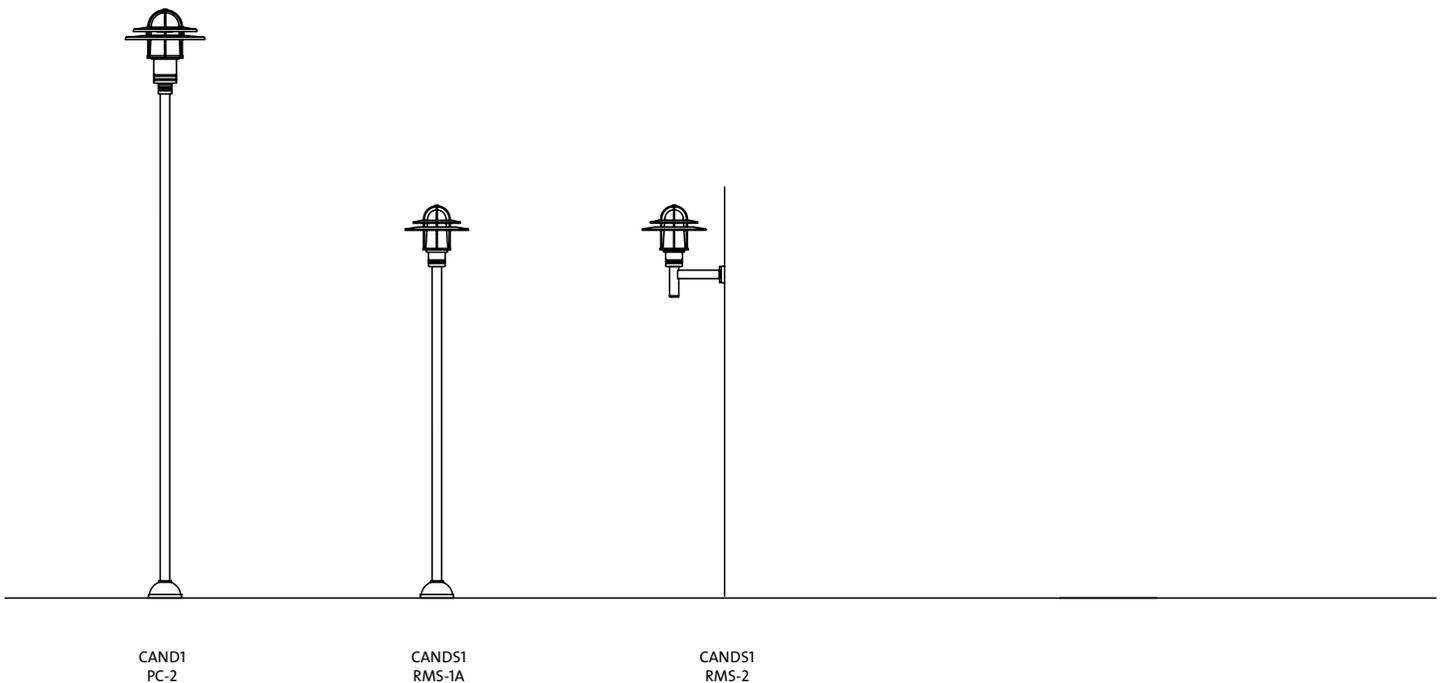
¹ Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W),
triple tube compact fluorescent (lamp not included)

> See end of document for details on line of poles available.

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH
CANDS2	100 MH	SR5	240	GN6TX

ASSEMBLY EXAMPLES



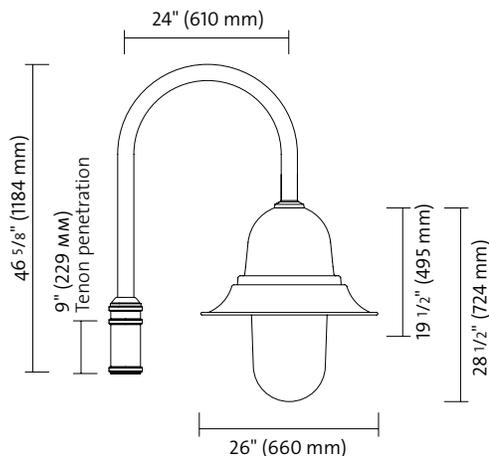
CAND3

CANDELA SERIES



LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CAND3-SM
E.P.A.: 3.84 sq. ft.
Weight: 55.29 lbs (25.1 kg)

These globes are available in the following finishes:

PCC: Clear Polycarbonate
PCO: Opal Polycarbonate
PCCPD: POND Polycarbonate

CAND3-SM, CANDS3-SMS and CANDS3-SMS-M luminaires are UL and CSA approved

SPECIFICATIONS

Housing

Made from round shaped die cast aluminum (356), c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degrees increments.

Arm

Made from welded bent aluminium (6061-T6), with 2 3/8" (60 mm) of outside diameter.

Adaptor

Made of cast 356 aluminum. Slip fits on a 4" (102mm) outside diameter x 9" (229mm) long tenon. Mechanically fastened by two sets of four set screws at 90 degrees around the bracket.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding from luminaire.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	LUMINAIRE OPTION	FINISH ¹
CAND3-SM-1A	50 MH, medium	RR3	120		BE2/TX
CAND3-SM-2	70 MH, medium	RR3MD	208		BE6/TX
	100 MH, medium	RR5	240		BE8/TX
	150 MH, medium		277		BK/TX
	200 MH ¹ , mogul		347		BR/TX
	250 MH ¹ , mogul	SE3		HS ²	GN/TX
	250 PSMH ¹ , mogul	SE5			GN4/TX
	35 HPS, medium	RACE3			GN6/TX
	50 HPS, mogul	RACE3D			GN8/TX
	70 HPS, mogul	RACE5			GY3/TX
	150 HPS, mogul				RD2/TX
	200 HPS, mogul				RD4/TX
	250 HPS, mogul				WH/TX
	18 CF ²				NP
	26 CF ²				TG
	32 CF ²				TS
	42 CF ²				

¹ Remote ballast

² HS: House shield

³ Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W),
triple tube compact fluorescent (lamp not included)

> See end of document for details on line of poles available.

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	LUMINAIRE OPTION	FINISH
CAND3-SM-2	200 MH	RR3	120	HS	NP



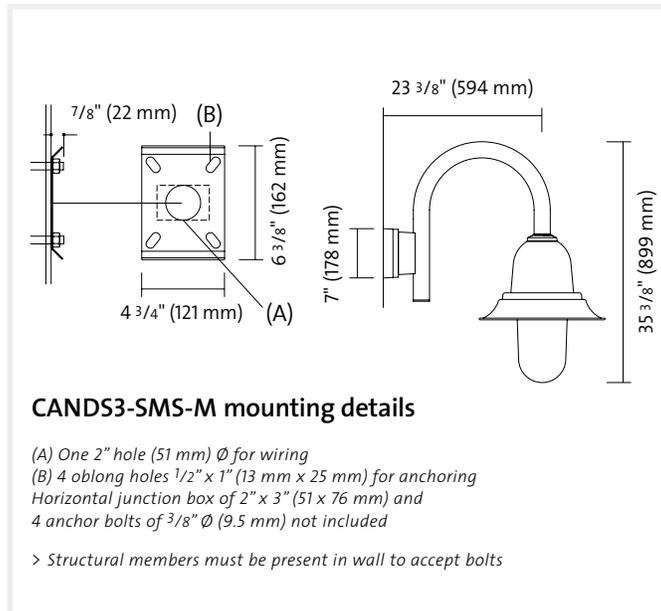
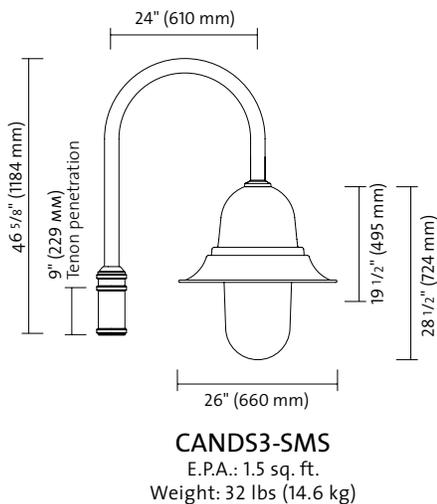
CAND3

CANDELA SERIES



LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



SPECIFICATIONS

Housing

Made from round shaped die cast aluminum (356), c/w a watertight grommet, mechanically assembled to the bracket with four bolts $3/8$ 16 UNC. This suspension system permits for a full rotation of the luminaire in 90 degrees increments.

Arm

Made from welded bent aluminium (6061-T6), with $2\ 3/8"$ (60 mm) of outside diameter.

Adaptor

Made of cast 356 aluminum. Slip fits on a 4" (102mm) outside diameter x 9" (229mm) long tenon. Mechanically fastened by two sets of four set screws at 90 degrees around the bracket.

Wiring

Gauge (#14) TEW wires, 6" (152 mm) minimum exceeding from luminaire.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and outstanding salt-spray resistance according to #ASTM B117 testing procedures.

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH ¹
CAND3-SM-1A	50 MH, medium	SR5	120	BE2/TX
CAND3-SM-2	70 MH, medium	SR5D	208	BE6/TX
CAND3-SMS-M	100 MH, medium		240	BE8/TX
			277	BK/TX
	35 HPS, medium		347	BR/TX
	50 HPS, mogul			GN/TX
	70 HPS, mogul			GN4/TX
	150 HPS, mogul			GN6/TX
	18 CF ²			GN8/TX
	26 CF ²			CY3/TX
	32 CF ²			RD2/TX
	42 CF ²			RD4/TX
				WH/TX
				NP
			TG	
			TS	

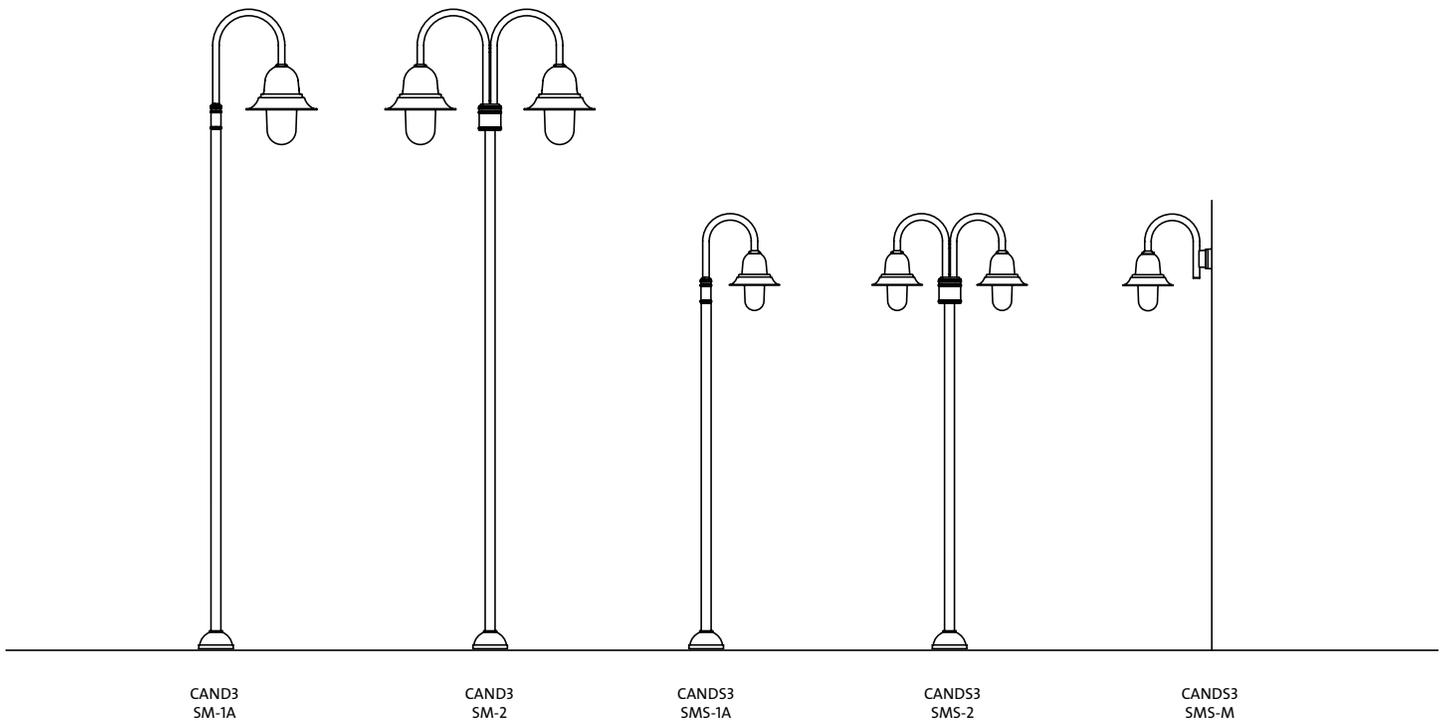
¹ Remote ballast

² Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W), triple tube compact fluorescent (lamp not included)

ORDERING SAMPLE

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	FINISH
CAND3-SMS-M	100 MH, medium	SR5	240	BGN6/TX

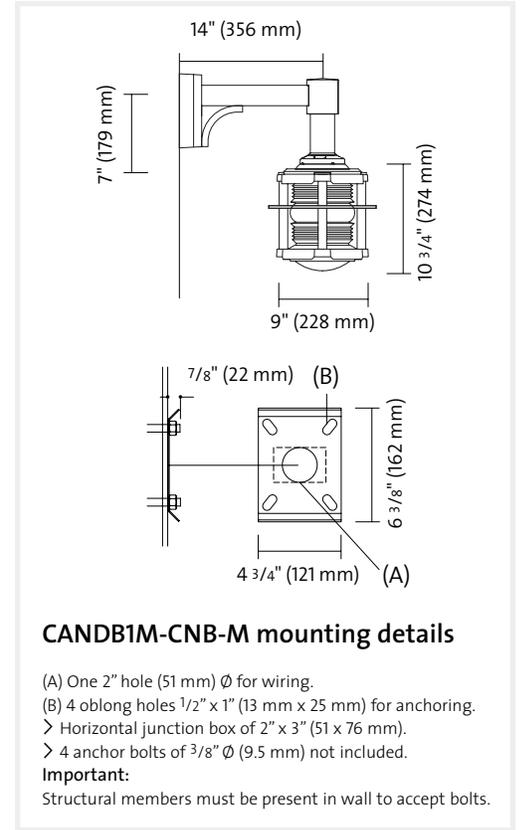
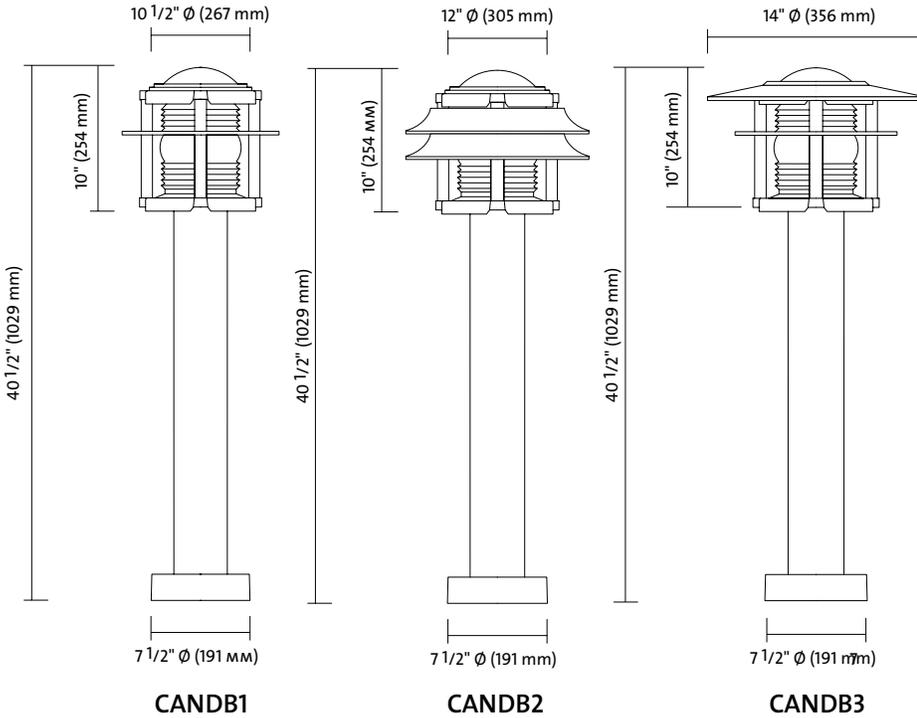
ASSEMBLY EXAMPLES





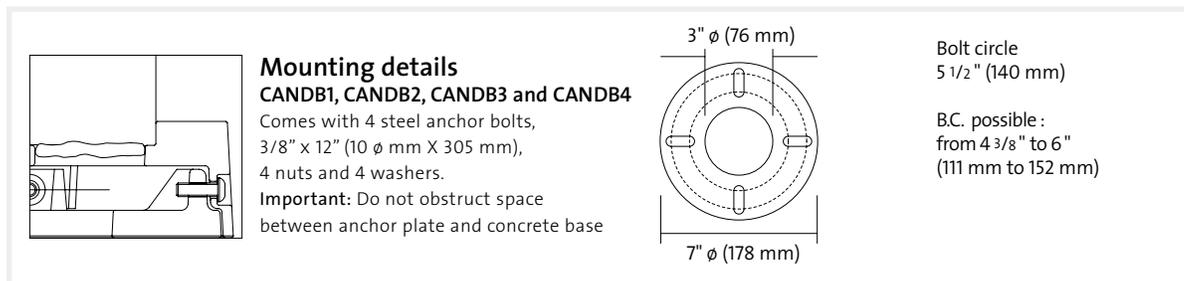
LUMINAIRES

Conform to the **UL 1598** and **CSA C22.2 No. 250.0-08** standards



CANDB1, CANDB2, CANDB3, CANDB4 and CANDB1M-CNB-M bollards are UL and CSA approved

ANCHOR PLATE



SPECIFICATIONS

Hood

Made from round molded aluminum (356), mechanically assembled.

Cage

Made from four molded aluminum(356) rods of 0.840" (21 mm) outside diameter, mechanically assembled to the housing.

Closing system

Two screws on a housing gives access to the luminaire interior and the lamp.

Housing

Made from molded aluminum (356), mechanically assembled.

Louvers

Made from welded aluminium (356), mechanically assembled.

Hardware

All exposed hardware is stainless steel. All seals and sealing devices are made of and/or lined with EPDM and/or silicone.

Finish

"Hot dip" chemical etching preparation. Lumital™ polyester powder coat finish. Excellent color retention as per #ASTM D2244, and out-standing salt-spray resistance according to #ASTM B117 testing procedures.

CANDB1, CANDB2 and CANDB3

Base

Made from aluminum of 4 1/2" (114 mm) of exterior diameter, welded to the base cover.

Base-cover

Made from molded aluminum (356), mechanically retained to the anchor plate.

ORDERING INFORMATION

PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	BOLLARD OPTIONS	FINISH ¹
CANDB1	50 HM, medium	FRN	120	DE ⁴	BE2/TX GN8/TX
CANDB2	70 HM, medium	FRNB	208	DR ⁵	BE6/TX GY3/TX
CANDB3	100 HM, medium	RR3	240	GFI ⁶	BE8/TX RD2/TX
CANDB4		RR3MD	277	GT ⁷	BG2/TX RD4/TX
CANDB1M-CNB-M ²	35 SHP, medium	RR5	347	PH7 ⁸	BK/TX WH/TX
	50SHP, medium			VPA ⁹	BR/TX NP
	70 SHP, medium			H ¹⁰	GN/TX TG
	100 SHP, medium				GN4/TX TS
	18 CF ³				GN6/TX
	26 CF ³				
	32 CF ³				
42 CF ³					

¹ Consult Philips Lumec's color chart.

² Remote ballast.

³ Socket: GX24Q-2 (18W), GX24Q-3 (26 or 32W), GX24Q-4 (42W), triple tube compact fluorescent (lamp not included)

⁴ DE: Direct burial

⁵ DR: Duplex receptacle (120 V only)

⁶ GFI: Duplex receptacle with ground fault interruptor on mounting (120 V only)

⁷ GT: Glow top

⁸ PH7: Photoelectric cell

⁹ VPA: Vandal proof

¹⁰ H: Variable height, from 15" (380 mm) to 48" (1220 mm), in 1" (25 mm) increments. Ballast is remote up to 24" (610 mm)

ORDERING SAMPLE

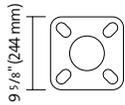
PRODUCT	LAMP	OPTICAL SYSTEM	VOLTAGE	BOLLARD OPTIONS	FINISH
CANDB1	70 HM	RR3	120	DR	NP

POLES

CANDELA SERIES

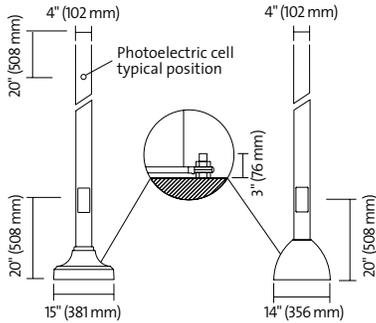


APR4 Aluminum SPR4 Steel c/w LBC4C



APR4:
Bolt circle: 6 3/4" (171 mm)
B.C. allowed: 6 3/4" to 10" ϕ (171 to 254 mm)

SPR4:
Bolt circle: 8" (216 mm)
B.C. allowed: 6 3/4" to 10 1/2" ϕ (171 to 267 mm)



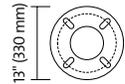
APR4 Aluminum SPR4 Steel c/w LBC10

APR4 c/w LBC4C or LBC10 - Aluminum

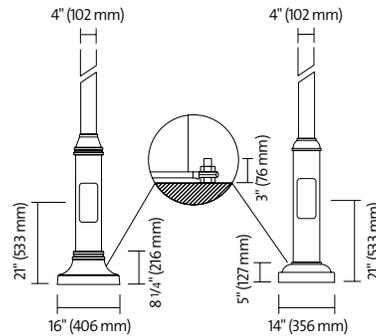
Catalog number	Nominal height	Section	Wall thickness		Weight		EPA rating (mph)					
			in	mm	lb	kg	70 ft ²	80 ft ²	875 ft ²	100 ft ²		
APR4F-8	8	2.44	4	102	0.125	3.2	21	10	12.5	9.5	7.8	5.8
APR4U-8	8	2.44	4	102	0.226	5.7	32	14	22.4	17.2	14.3	10.8
APR4F-10	10	3.05	4	102	0.125	3.2	24	11	9.5	7.1	5.7	4.1
APR4U-10	10	3.05	4	102	0.226	5.7	38	17	16.7	12.6	10.4	7.8
APR4F-12	12	3.66	4	102	0.125	3.2	28	13	6.7	5.0	4.0	2.9
APR4U-12	12	3.66	4	102	0.226	5.7	44	20	11.5	8.6	7.0	5.2
APR4W-12	12	3.66	4	102	0.318	8.1	58	26	15.3	11.5	9.5	7.0
APR4F-14	14	4.27	4	102	0.125	3.2	31	14	3.6	2.5	1.9	1.3
APR4U-14	14	4.27	4	102	0.226	5.7	51	23	6.6	4.8	3.9	2.8
APR4W-14	14	4.27	4	102	0.318	8.1	67	30	8.9	6.6	5.4	3.9
APR4F-15	15	4.57	4	102	0.125	3.2	33	15	2.8	1.9	1.4	—
APR4U-15	15	4.57	4	102	0.226	5.7	54	24	5.5	3.9	3.1	2.1
APR4W-15	15	4.57	4	102	0.318	8.1	71	32	7.5	5.5	4.4	3.1

F/U/W: Wall thickness

AM6 Aluminum SM6 Steel



Bolt circle
10 1/2" (267 mm)
B.C. allowed: 8 3/4" to 11" ϕ
(222 to 279 mm)



P604 Aluminum P604S Steel

AM6 - P604 - Aluminum

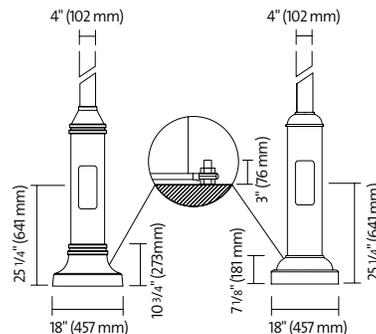
Catalog number	Nominal height	Section	Wall thickness		Weight		EPA rating (mph)					
			in	mm	lb	kg	70 ft ²	80 ft ²	875 ft ²	100 ft ²		
AM6F-8	8	2.44	4	102	0.125	3.2	27	12	18.4	14.3	12.0	9.2
AM6U-8	8	2.44	4	102	0.226	5.7	37	17	30.0	25.0	21.0	16.3
AM6F-10	10	3.05	4	102	0.125	3.2	31	14	13.2	10.2	8.5	6.4
AM6U-10	10	3.05	4	102	0.226	5.7	41	19	23.4	18.0	15.0	11.3
AM6F-12	12	3.66	4	102	0.125	3.2	35	16	9.9	7.4	6.0	4.4
AM6U-12	12	3.66	4	102	0.226	5.7	45	20	15.8	11.8	9.8	7.3
AM6F-13	13	3.97	4	102	0.125	3.2	36	16	8.1	6.0	4.9	3.5
AM6U-13	13	3.97	4	102	0.226	5.7	46	21	13.1	9.9	8.1	5.9
AM6F-14	14	4.27	4	102	0.125	3.2	38	17	5.3	3.9	3.1	2.2
AM6U-14	14	4.27	4	102	0.226	5.7	48	22	8.7	6.5	5.3	3.9
AM6F-15	15	4.57	4	102	0.125	3.2	40	18	4.3	3.0	2.4	1.6
AM6U-15	15	4.57	4	102	0.226	5.7	50	23	7.3	5.3	4.2	3.0

F/U/W: Wall thickness

AM8 Aluminum SM8 Steel



Bolt circle
12 1/2" (305 mm)
B.C. allowed: 11 1/4" to 13" ϕ
(286 to 330 mm)



P804 Aluminum P804S Steel

AM8 - P804 - Aluminum

Catalog number	Nominal height	Section	Wall thickness		Weight		EPA rating (mph)					
			in	mm	lb	kg	70 ft ²	80 ft ²	875 ft ²	100 ft ²		
AM8F-8	8	2.44	4	102	0.125	3.2	34	15	19.9	15.5	13.0	10.0
AM8U-8	8	2.44	4	102	0.226	5.7	41	19	30.0	27.0	22.8	17.7
AM8F-10	10	3.05	4	102	0.125	3.2	38	17	14.1	10.9	9.1	6.9
AM8U-10	10	3.05	4	102	0.226	5.7	47	21	24.7	19.3	16.3	12.5
AM8F-12	12	3.66	4	102	0.125	3.2	42	19	10.5	8.0	6.6	4.9
AM8U-12	12	3.66	4	102	0.226	5.7	53	24	18.9	14.6	12.0	9.0
AM8F-13	13	3.97	4	102	0.125	3.2	43	20	9.2	7.0	5.7	4.1
AM8U-13	13	3.97	4	102	0.226	5.7	56	25	15.8	11.8	9.7	7.3
AM8F-14	14	4.27	4	102	0.125	3.2	45	20	6.1	4.6	3.7	2.7
AM8U-14	14	4.27	4	102	0.226	5.7	60	27	10.5	7.8	6.4	4.7
AM8F-15	15	4.57	4	102	0.125	3.2	47	21	5.0	3.5	2.8	2.0
AM8U-15	15	4.57	4	102	0.226	5.7	63	29	8.7	6.4	5.2	3.7

F/U/W: Wall thickness

POLES

CANDELA SERIES



SPR4 c/w LBC4C or LBC10 - Steel

SPR4D-8	8	2.44	4	102	0.120	3.0	55	25	27.5	21.2	17.6	13.4
SPR4D-10	10	3.05	4	102	0.120	3.0	65	30	21.8	16.6	13.8	10.3
SPR4N-10	10	3.05	4	102	0.188	4.8	94	43	30.0	24.8	20.8	15.7
SPR4D-12	12	3.66	4	102	0.120	3.0	75	34	17.6	13.2	10.9	8.0
SPR4N-12	12	3.66	4	102	0.188	4.8	110	50	26.4	20.3	16.8	12.6
SPR4D-14	14	4.27	4	102	0.120	3.0	85	39	11.8	8.8	7.1	5.1
SPR4N-14	14	4.27	4	102	0.188	4.8	125	57	17.0	12.9	10.6	7.9
SPR4V-14	14	4.27	4	102	0.250	6.4	160	73	22.7	17.2	14.2	10.7
SPR4D-15	15	4.57	4	102	0.120	3.0	90	41	9.9	7.3	6.0	4.3
SPR4N-15	15	4.57	4	102	0.188	4.8	133	60	14.7	11.0	9.0	6.7
SPR4V-15	15	4.57	4	102	0.250	6.4	170	77	19.6	14.8	12.1	9.0
	ft	m	in	mm	in	mm	lb	kg	70 ft ²	80 ft ²	87.5 ft ²	100 ft ²
Catalog number	Nominal height		Section	Wall thickness		Weight		EPA rating (mph)				

D/N/V: Wall thickness

SM6 - P604S - Steel

SM6F-8 P604SF-8	8	2.44	4	102	0.120	3.2	85	39	30.0	30.0	27.0	20.8
SM6N-8 P604SN-8	8	2.44	4	102	0.188	4.8	99	45	30.0	30.0	30.0	30.0
SM6F-10 P604SF-10	10	3.05	4	102	0.120	3.2	95	43	30.0	23.5	19.7	15.2
SM6N-10 P604SN-10	10	3.05	4	102	0.188	4.8	115	52	30.0	30.0	29.4	22.5
SM6F-12 P604SF-12	12	3.66	4	102	0.120	3.2	105	48	23.6	18.3	15.3	11.6
SM6N-12 P604SN-12	12	3.66	4	102	0.188	4.8	180	59	30.0	27.3	22.8	17.5
SM6F-14 P604SF-14	14	4.27	4	102	0.120	3.2	115	52	15.5	11.8	9.8	7.3
SM6N-14 P604SN-14	14	4.27	4	102	0.188	4.8	145	66	23.2	18.0	15.0	11.3
SM6F-15 P604SF-15	15	4.57	4	102	0.120	3.2	120	54	14.0	10.5	8.7	6.4
SM6N-15 P604SN-15	15	4.57	4	102	0.188	4.8	153	69	20.7	15.4	13.0	9.7
SM6V-15 P604SV-15	15	4.57	4	102	0.250	6.4	182	83	25.4	19.4	16.0	12.0
	ft	m	in	mm	in	mm	lb	kg	70 ft ²	80 ft ²	87.5 ft ²	100 ft ²
Catalog number	Nominal height		Section	Wall thickness		Weight		EPA rating (mph)				

F/N/V: Wall thickness

SM8 - P804S - Steel

SM8F-8 P804SF-8	8	2.44	4	102	0.120	3.2	117	53	30.0	30.0	29.1	22.5
SM8N-8 P804SN-8	8	2.44	4	102	0.188	4.8	129	58	30.0	30.0	30.0	30.0
SM8F-10 P804SF-10	10	3.05	4	102	0.120	3.2	127	57	30.0	25.2	21.2	16.2
SM8N-10 P804SN-10	10	3.05	4	102	0.188	4.8	145	65	30.0	30.0	30.0	24.0
SM8F-12 P804SF-12	12	3.66	4	102	0.120	3.2	137	62	25.0	19.3	16.2	12.3
SM8N-12 P804SN-12	12	3.66	4	102	0.188	4.8	160	72	30.0	28.9	24.1	18.5
SM8F-14 P804SF-14	14	4.27	4	102	0.120	3.2	146	66	16.2	12.3	10.2	7.6
SM8N-14 P804SN-14	14	4.27	4	102	0.188	4.8	175	79	24.2	18.8	15.6	11.8
SM8F-15 P804SF-15	15	4.57	4	102	0.120	3.2	151	68	14.6	10.9	9.1	6.7
SM8N-15 P804SN-15	15	4.57	4	102	0.188	4.8	183	83	22.0	17.0	14.2	10.6
SM8V-15 P804SV-15	15	4.57	4	102	0.250	6.4	210	95	28.7	22.3	18.5	13.7
	ft	m	in	mm	in	mm	lb	kg	70 ft ²	80 ft ²	87.5 ft ²	100 ft ²
Catalog number	Nominal height		Section	Wall thickness		Weight		EPA rating (mph)				

F/N/V: Wall thickness

APR4 c/w LBC4C or APR4 c/w LBC10

Made from a one-piece, seamless 4" round (102 mm) tube of extruded aluminum welded to both the top and bottom of a reinforced base cast from zinc-rich aluminum.

SPR4 c/w LBC4C or SPR4 c/w LBC10

Made from a one-piece, 4" round (102 mm) tube of high-tensile carbon steel sealed by a rolled and flattened vertical weld seam and welded to both the top and bottom of a steel base.

AM6 / P604 / AM8 / P804

Made from a one-piece, seamless 4" round (102 mm) round tube of extruded aluminum welded over and in a 6 5/8" round (168 mm) extruded aluminum pole base for AM6 / P604S poles and 8 5/8" (219 mm) for AM8 / P804 poles.

SM6 / P604S / SM8 / P804S

Made from a one-piece, 4" round (102 mm) high-tensile carbon steel shaft sealed by a rolled and flattened vertical weld seam and welded over and in a 6 5/8" round (168 mm) high-tensile carbon-steel pole base for the SM6 / P604S and 8 5/8" (219 mm) for SM8 / P804S poles. The assembly is welded to both the top and bottom of a steel base.

All poles:

- Maintenance opening, complete with cover.
- Copper ground lug.
- Joint and base cover: made from two pieces of cast aluminum (356) mechanically fastened with stainless steel screws.
- Finish: "hot dip" chemical etching preparation. Lumital™ polyester powder coat textured finish. Available in 14 standard colors.
- Duraval UV-resistant exterior finish as per # ASTM G7 and outstanding salt-spray resistance according to # ASTM D2247 testing procedures

Note:

EPA recommendations are calculated according to AASHTO standards and include a 30% gust factor, with a 50 lb. (22.7 kg) load applied 1 ft. (305 mm) above the center of the pole. The maximum EPA rating shown is 30.0 sq. ft. Some poles may exceed this rating.

Options:

PH7: Button-type photoelectric cell (specify operating voltage).

DR: Duplex receptacle (120 V line volt. only)

GFI: DR with common ground fault interrupter (120 V line volt. only)

Other pole thicknesses are available for use with banner arms. Consult factory.

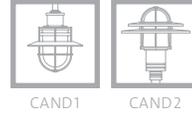
Philips Lumec neither designs nor makes recommendations as to the design of concrete bases.

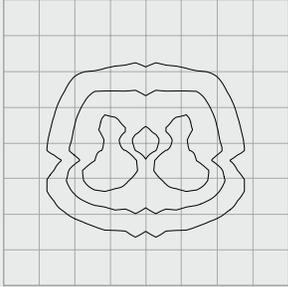
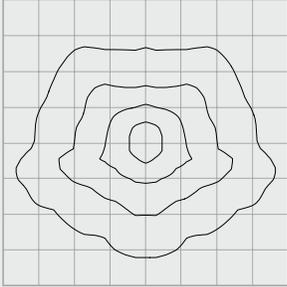
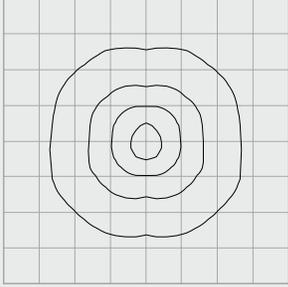
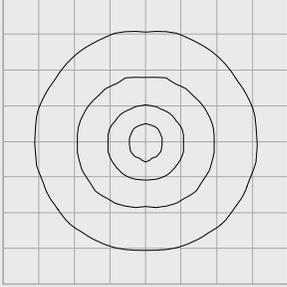
Note: Philips Lumec reserves the right to modify the above details to reflect changes in the cost of materials and/or production and/or design without prior notice.

PHOTOMETRY



RR:
Round borosilicate refractor

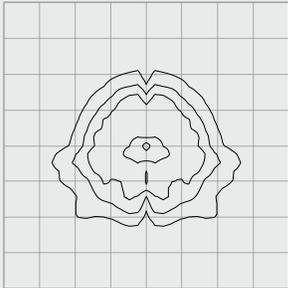
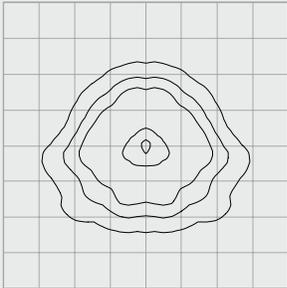
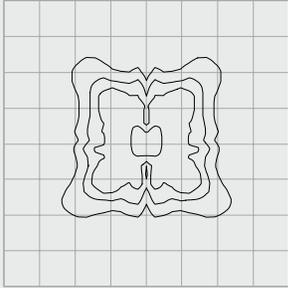
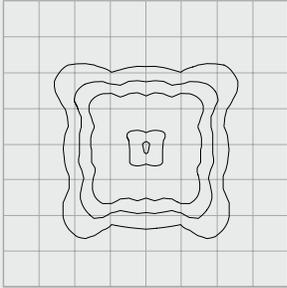


<p>RR3 Type 3 Asymmetrical distribution that spreads the light forward and on either side. Non cut-off optics according to IES classification.</p> <p>Recommended applications</p> <ul style="list-style-type: none"> > Roads, pedestrian walkway, bicycle path > Building entryway > Interior and exterior pedestrian mall > Nautical environment, boardwalk 		
<p>RR5 Type 5 Symmetrical distribution that spreads the light forward and on either side. Non cut-off optics according to IES classification.</p> <p>Recommended applications</p> <ul style="list-style-type: none"> > Middle of parking lot > Interior and exterior pedestrian mall > Building entryway 		



SE:
Hydroformed reflector system set in faceted arc-image duplicating pattern



<p>SE3 Type 3 Asymmetrical distribution that spreads the light forward and on either side. Vertical control of the flux. Non cut-off optics according to IES classification.</p> <p>Recommended applications</p> <ul style="list-style-type: none"> > Roads, pedestrian walkway, bicycle path > Building entryway > Narrow streets, private entry > Interior and exterior pedestrian mall > Nautical environment, boardwalk 		
<p>SE5 Type 5 Symmetrical distribution that spreads the light in a square pattern. Non cut-off optics according to IES classification.</p> <p>Recommended applications</p> <ul style="list-style-type: none"> > Middle of parking lot > Interior and exterior pedestrian mall > Building entryway > Pedestrian walkway 		

* Compact fluorescent photometry available on demand

PHOTOMETRY



RACE:
Acrylic (max. 100 W) or borosilicate
(150 W and more) refractor with
segmented upright recovery reflector



CAND1



CAND3

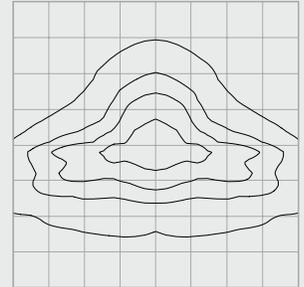
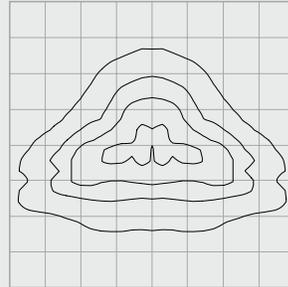
RACE3

Type 3

Asymmetrical distribution that spreads the light forward and on either side. Non cut-off optics according to IES classification.

Recommended applications

- > Roads, pedestrian walkway, bicycle path
- > Building entryway
- > Narrow streets, private entry
- > Interior and exterior pedestrian mall
- > Nautical environment, boardwalk



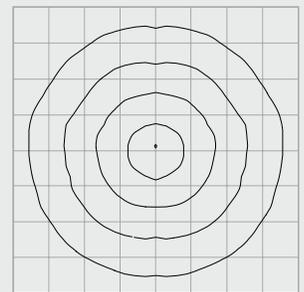
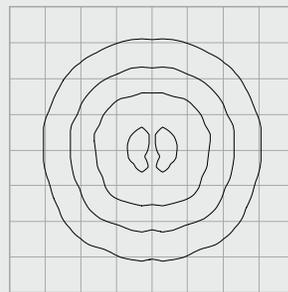
RACE5

Type 5

Symmetrical distribution that spreads the light evenly in a circular pattern. Non cut-off optics according to IES classification.

Recommended applications

- > Middle of parking lot
- > Interior and exterior pedestrian mall
- > Building entryway
- > Pedestrian walkway



SR:
Small round borosilicate refractor

CANDS2 CANDS1/CANDS3



CANDS1



CANDS2



CANDS3

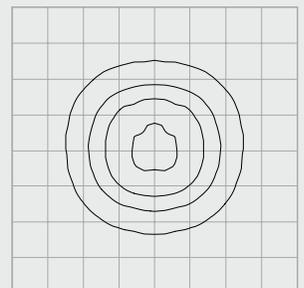
SR5

Type 5

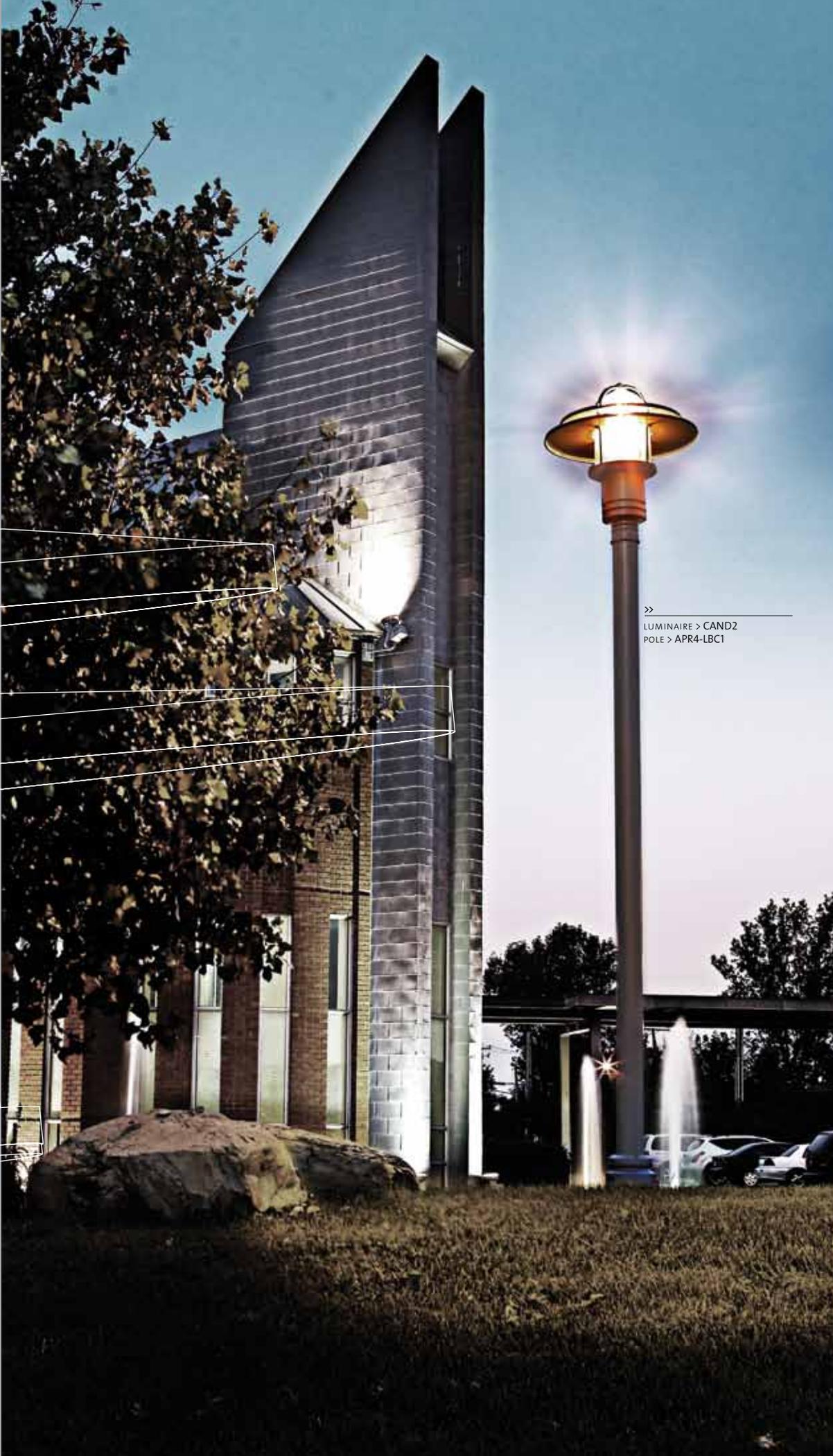
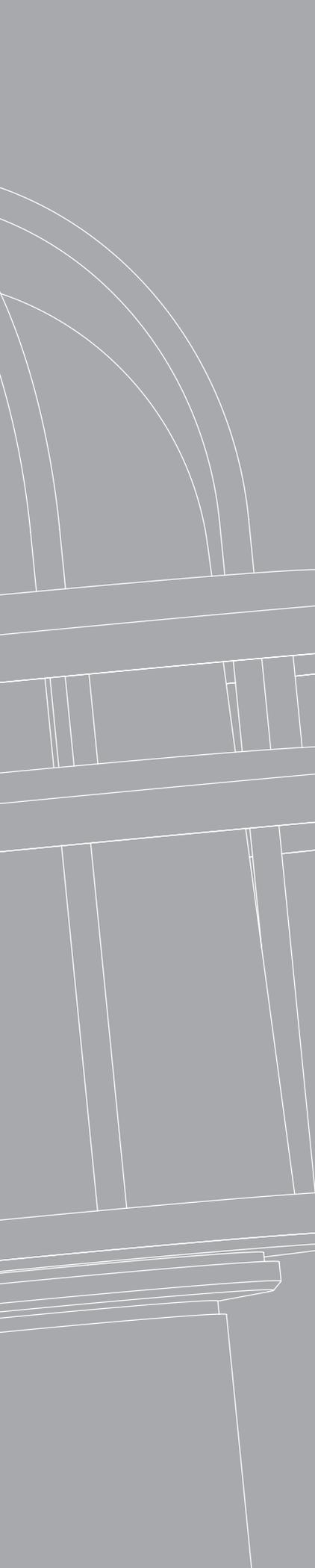
Symmetrical distribution that spreads the light in a circle pattern. Non cut-off optics according to IES classification.

Applications recommandées

- > Interior and exterior pedestrian mall
- > Building entryway
- > Pedestrian walkway
- > Parcs



* Compact fluorescent photometry available on demand



>>
LUMINAIRE > CAND2
POLE > APR4-LBC1



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/ Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled "Contains Mercury" and/or with the symbol "Hg." Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org



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