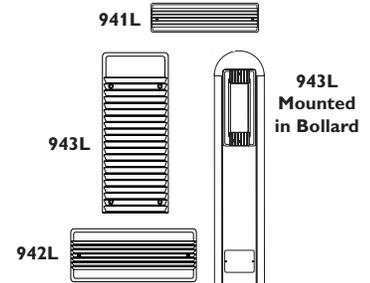


Job:
Type:
Notes:

94 Line LED

941L, 942L and 943L Step and Aisle Lights

The Philips Gardco 941L, 942L and 943L recessed aisle lights are architecturally styled luminaires precisely constructed of die cast aluminum, providing light with high performance, long life LED systems. Retrofit kits are also available, making it possible to update installations of classic 941, 942 and 943 Philips Gardco fluorescent and HID step lights to LED without the need to replace the back housing. A field adjustable junction box enhances design flexibility. Self-compensating silicone gasketing completely excludes moisture, insects and contaminants. A choice of three (3) architecturally designed faceplates allows for a variety of applications. The ribbed guard faceplate offers vandal protection for glass lenses.



PREFIX	WALL TYPE	FACEPLATE	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS
942L	C	LV	20L	NW	VOLT	FINISH	

Enter the order code into the appropriate box above. Omit WALL TYPE for 943L-B25 and 943L-B40. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

	<u>Complete Luminaires</u>
941L ¹	Horizontal
942L	Horizontal
943L	Vertical
943L-B25	943L Mounted in 25" Bollard
943L-B40	943L Mounted in 40" Bollard
	<u>Retrofit Kits</u> ¹
RK-941L ^{1,2}	Horizontal
RK-942L ²	Horizontal
RK-943L ²	Vertical

WALL TYPE

D Drywall
<i>Not suitable for concrete pour applications. Also, if insulating material is present, it must be kept at least 3" away from luminaire. Type D units are thermally protected. Non-IC luminaire.</i>
C Concrete Pour
<i>Suitable for concrete pour applications only.</i>
NOTE: WALL TYPE does not apply to 943L-B25 and 943L-B40. Omit WALL TYPE for 943L-B25 and 943L-B40.

FACEPLATES

LV	Louver
DG	Diffuse Glass
RGD ¹	Ribbed Guard with Diffuse Glass

1. 941L and RK-941L are not available with the RGD faceplate.
2. Retrofit kits are available in Wall Type "C" only (Concrete Pour.) Retrofit kits are not available for existing Wall Type "D" (Drywall) luminaires. The step light portion of existing 943BL25 and 943BL40 units may be replaced utilizing RK-943L retrofit kits.

Back housings for concrete pour applications (Type C) are available for pre-shipment. Contact factory for details.

LED WATTAGE with LUMEN DATA

Order Code	Description	LED Current (mA)	Average System Watts ³	Faceplate Finish	Absolute Initial Luminaire Lumens ⁴								
					941			942			943		
					Faceplate			Faceplate			Faceplate		
					LV	DG	RGD	LV	DG	RGD	LV	DG	RGD
20LA	20 watt, NW (4,000K), LED integral lens array.	350	20	BRP	78	699	153	807	272	152	738	274	
				WP	226	937	278	1,145	493	335	1,048	501	
31LA	31 watt, NW (4,000K), LED integral lens array.	530	31	BRP	111	927	207	1,037	380	209	1,421	372	
				WP	319	1,321	377	1,474	670	454	1,001	679	
40LA ⁵	40 watt, NW (4,000K), LED integral lens array.	700	40	BRP	See Note 5	See Note 5	250	1,382	467	256	1,251	465	
				WP	See Note 5	See Note 5	472	1,960	836	568	1,775	849	

3. System input wattage may vary based on input voltage, by up to +/- 10%, and based on manufacturer forward voltage, by up to +/- 8%.

4. Lumen values based on photometric tests performed in compliance with IESNA LM-79. Values are for luminaires with a white and bronze faceplate. Values will vary based on faceplate color chosen. Contact OutdoorLightingApplications@philips.com for values not shown above.

5. 941L is not available in 40LA (700mA) LED wattage. Lumen values shown are based on Bronze painted faceplates. Values will vary based on the faceplate color.



PHILIPS



94 Line LED

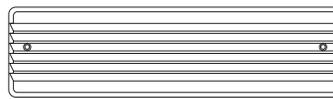
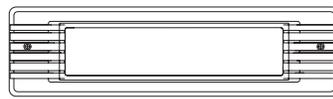
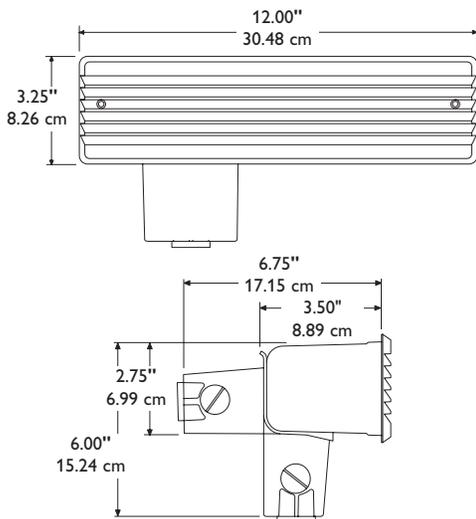
941L, 942L and 943L Step and Aisle Lights

LED SELECTION	VOLTAGE	FINISH	OPTIONS
CW 5,700°K, 75CRI	120⁶	BLP Black Paint	F Fusing (Provide specific input voltage.)
NW 4,000°K, 70CRI	277⁶	BRP Bronze Paint	TP Tamper Resistant Screws
WW 3,000°K, 80CRI	UNIV⁷	WP White Paint	
AM Amber		NP Natural Aluminum Paint	
		OC Optional Color Paint (Specify RAL designation. ex: OC-RAL7024)	
		SC Special Color Paint (Specify. Must supply color chip)	

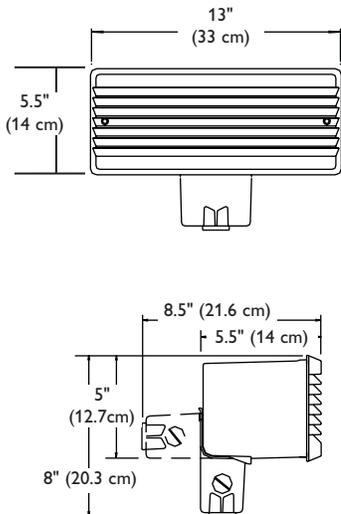
6. Wall Type D luminaires only.
7. UNIV means 120V through 277V input. Not available on Wall Type D luminaires.

DIMENSIONS

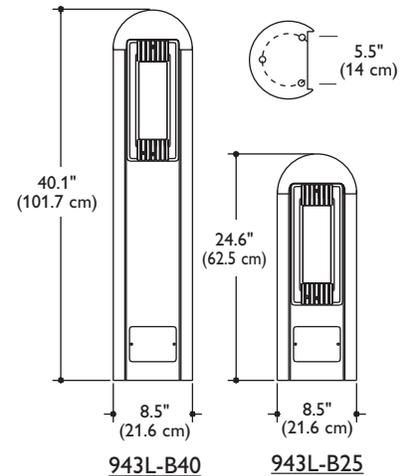
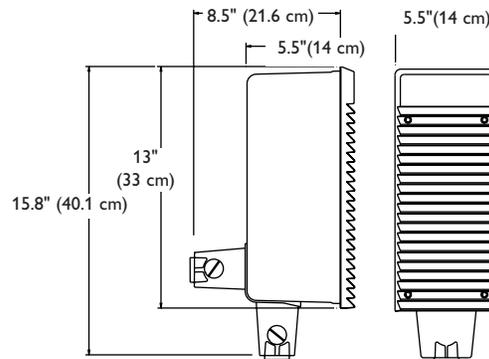
941L Dimensions



942L Dimensions



943L Dimensions



SPECIFICATIONS

GENERAL: The Philips Gardco 941L, 942L and 943L recessed aisle lights are architecturally styled luminaires precisely constructed of die cast aluminum, providing light with high performance, long life LED systems. A field adjustable junction box enhances design flexibility. Self-compensating silicone gasketing completely excludes moisture, insects and contaminants. A choice of three (3) architecturally designed faceplates allows for a variety of applications. The ribbed guard faceplate offers vandal protection for glass lenses.

RETROFIT KITS: Retrofit kits are also available, making it possible to update installations of classic 941, 942 and 943 Philips Gardco fluorescent and HID step lights to LED without the need to replace the back housing. Retrofit kits are available in Wall Type "C" only (Concrete Pour.) Retrofit kits are not available for existing Wall Type "D" (Drywall) luminaires. The step light portion of existing 943BL25 and 943BL40 units may be replaced utilizing RK-943L retrofit kits.

FACEPLATE: All faceplates are constructed of one piece die cast aluminum and are secured to the housing with two (2) recessed and captive hex head socket screws. Integral spring clips ensure positive grounding. Self-compensating single-piece silicone gasketing completely seals the luminaire and allows for varying wall thicknesses.

LOUVER: Die cast louvers span the entire length of the faceplate, providing for vandal resistance and glare control. Louver faceplate include diffuse glass behind the louvers to minimize apparent glare from the luminaire.

DIFFUSE GLASS: The faceplate includes a 3/16" thick diffuse white opal flat tempered glass lens. The lens is internally sealed and mounted and provides a soft, uniform glow.

RIBBED GUARD: 90° die cast louvers span the entire length of the faceplate over a diffuse glass lens. Not available in the 941L and RK-941L.

HOUSING: The housing is corrosion-resistant die cast aluminum.

J-BOX: The field convertible junction box is die cast aluminum. It is shipped factory-mounted to the back of housing. The box can be easily positioned on the bottom of the luminaire via two (2) phillips head screws. Each J-box includes three (3) threaded openings (one on each side and one on the bottom) that accommodate 3/4" conduit.

LED RELIABILITY:

PREDICTED LUMEN DEPRECIATION DATA		
Ambient Temperature °C	Driver mA	L ₇₀ Hours ⁹
25 °C	350 mA	180,000
	530 mA	115,000
	700 mA	95,000
40 °C	350 mA	175,000
	530 mA	100,000
	700 mA	90,000

⁹ Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.

THERMAL MANAGEMENT: Philips Gardco 94 Line LED step and aisle lights include integral thermal control to provide the excellent thermal management so critical to long LED system life.

ELECTRICAL: Luminaires are equipped with an LED driver that accepts 120V through 277V, 50hz to 60hz, input (Wall Type C) , or with specific 120V or 277V input voltages (Wall Type D). Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 302°F / 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. Surge protector standard. 10KA per AN SI/IEEE C62.41.2.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WFP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

LABELS: All luminaires bear UL or CUL (where applicable) Wet Location labels.

WARRANTY: Philips Gardco luminaires feature a 5 year limited warranty. Philips Gardco LED luminaires feature a 5 year limited warranty covering the LED arrays and LED drivers. See Warranty Information on www.sitelighting.com for complete details and exclusions.



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