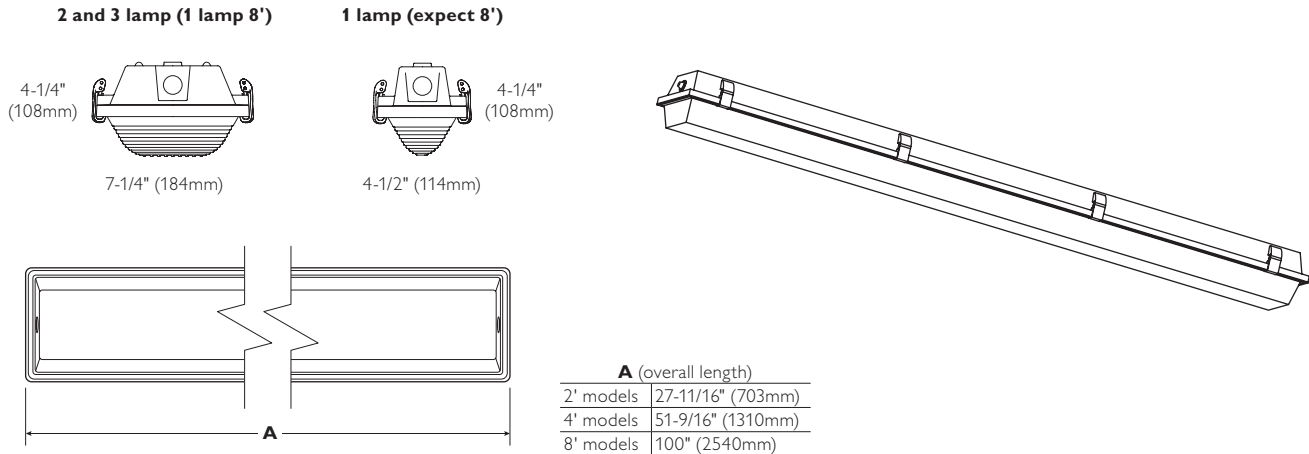


Sealatron IP Low Profile

Enclosed Industrial Wet Location Luminaire, T5/T8

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Ordering Information

Sealatron IP	Fixture Length	Fixture Width	Lens Shielding	Lamp Quantity	Lamp Type / Fixture Length	Voltage	Ballast Type	Options
IP Enclosed Industrial Fluorescent	2 = 2' 4 = 4' 8 = 8'	N† = 4-1/2" W = 7-1/4"	R = Linear Ribbed Polycarbonate A = Linear Ribbed High Impact Acrylic	1 = 1 Lamp 2 = 2 Lamps 3 = 3 Lamps (28, 32 & 54 watt lamp types only)‡ (by others)	14 = T5 (2') 17 = T8 (2') 24 = T5HO (2') 28 = T5 (4') 32 = T8 (4') 54 = T5HO (4') (Nominal size)	120 = 120v 277 = 277v UNV = 120-277v		— Add appropriate suffix to catalog no., ie: (A)
							1 & 2 Lamp Elec. T8 1-3 Lamp Elec. T8 1-4 Lamp Elec. T8 1 & 2 Lamp Elec. T5 1-3 54w Lamp Elec. T5HO 1-4 54w Lamp Elec. T5HO *Instant Start Standard **Program Rapid Start (UNV only)	<10THD HI* H3* H4* PG** PU** PV**

† Narrow housing only available in one lamp, two and four foot fixture sizes.
‡ 28W, 32W and 54W available in three lamp, four foot fixture sizes.
28W and 32W available in three lamp, eight foot fixture sizes.

Features

- IP65 and IP67 rated.
- Acceptable for outdoor as well as indoor installations.
- Wet Location-Areas of high humidity, water vapor, rain, incidental water spray, or other non-corrosive or nonflammable liquid.
- Also suitable for damp locations.
- Non-conductive, non-corrosive housing.
- Smooth exterior surface for easy cleaning.
- Molded fiberglass 5V-A housing.
- Ribbed prismatic diffuser.
- Continuous poured gasket.
- Polycarbonate cam action latches are standard.
- Ballast is retained by a snap-on gear tray in lieu of channel, reducing weight.
- Two snap-on stainless steel mounting brackets included, can be installed anywhere along housing (except at latches)

Job Information	Type:
Job Name:	
Cat. No.:	
Notes:	

PHILIPS
LIGHTOLIER

Sealatron IP Low Profile

Enclosed Industrial Wet Location Luminaire, T5/T8

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Specifications

Materials: Chassis parts— Molded fiberglass 5V-A housing. Continuous poured gasket. Polycarbonate cam action latches are standard. Ballast is retained by a snap-on gear tray in lieu of channel, reducing weight.

Finish: Chassis exterior— Non-conductive, non-corrosive housing. Smooth exterior surface for easy cleaning.

Lens: IP65 and IP67 rated linear ribbed lens.

Electrical: Class P, HPF certified ballasts comply with Federal Ballast Law (Public Law 100-357, 1988). Self-contained fluorescent emergency ballasts available: Wet location only, use BDL600 or BDL500 for T8 applications. Consult factory for T5 applications.

Labels: UL/cUL listed. Wet Location UL 1570/cUL C22.2 No. 9.

This product may have a mercury containing lamp.
Manage in accord with Disposal. Laws. See: www.lamprecycle.org

Options & Accessories

Electrical Wiring Options: Consult factory.

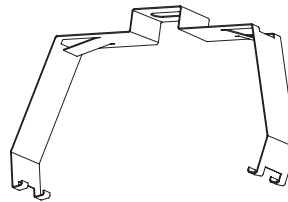
Emergency Pack Options: Consult factory.

Fusing: Internal fast blow fusing: Suffix: **A**.
Internal slow blow fusing: Suffix: **C**.

Stainless steel latches available (consult factory).

Mounting Options

Surface mounted only. Mounting bracket included.



Additional ordering information:

Size	Family	Lamps X section	Lamp fixture	Available lenses	Lamp type	Length in. (mm)	Width in. (mm)	Height in. (mm)
2'	IP	1	1	R	14, 17, 24HO	27 11/16" (703)	4½" (114)	4¼" (108)
		2	2	R	14, 17, 24HO	27 11/16" (703)	7¼" (184)	4¼" (108)
4'	IP	1	1	R	28, 32, 54HO	51 9/16" (1310)	4½" (114)	4¼" (108)
		2	2	A, R	28, 32, 54HO	51 9/16" (1310)	7¼" (184)	4¼" (108)
		3	3	A, R	28, 32, 54HO	51 9/16" (1310)	7¼" (184)	4¼" (108)
8'	IP	1	2	A	28, 32, 54HO	100" (2540)	7¼" (184)	4¼" (108)
		2	4	A	28, 32, 54HO	100" (2540)	7¼" (184)	4¼" (108)
		3	6	A	28, 32	100" (2540)	7¼" (184)	4¼" (108)

Lens information

R	=	Linear Ribbed Polycarbonate
A	=	Linear Ribbed High Impact Acrylic

Job Information Type:

PHILIPS
LIGHTOLIER

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Photometry

Model No. IP4WA232UNVHI

LER = 66 IW = 55 BF = 0.88
Comparative yearly lighting energy cost per
1000 lumens = \$3.64

Report Number: 23312

Catalog Number: IP4WA232UNVHI

Lamps: (2) F32T8

Luminaire: Sealatron, enclosed
industrial with 25% high
impact DR acrylic lens
for wet/damp locations.

Ballast: Electronic

Report is based on 2850 lumens per lamp.

Efficiency: 66.9%

CIE Type: Direct - Indirect

Plane: 0-Deg. 90-Deg.

Spacing Criteria: 1.3 1.5

Candela Distribution

Vertical Angle	Horizontal Angle			Zonal Lumens
	0	45	90	
0	1065	1065	1065	
5	1058	1061	1061	84
15	1007	983	941	242
25	914	884	960	364
35	752	851	919	424
45	513	812	903	418
55	332	775	811	359
65	207	615	713	280
75	92	467	593	280
85	26	282	327	280
95	11	153	170	280
105	12	79	103	280
115	8	48	83	280
125	3	29	55	280
135	3	11	34	280
145	3	3	12	280
155	4	4	4	280
165	5	4	5	188
175	5	5	5	38
185	0	0	0	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-30	802	14.1	19.5
0-40	1330	23.3	32.2
0-60	2542	44.6	61.6
0-90	3812	66.9	92.4
90-180	312	5.5	7.6
0-180	4124	72.3	100.0

Coefficients of Utilization

Ceiling	80%			50%			30%		
	70	50	30	50	30	10	50	30	10
RC	Zonal Cavity Method								
RW	Effective Floor Reflectance = 20%								
1	75	70	67	72	68	65	65	61	77
2	68	60	55	65	58	53	55	51	64
3	60	52	46	58	51	45	47	42	54
4	56	46	39	53	45	38	41	35	47
5	51	40	34	48	40	33	36	32	41
6	46	35	29	45	34	28	34	28	36
7	42	33	26	41	32	26	29	25	32
8	40	29	23	39	28	23	28	22	28
9	38	27	20	35	27	20	25	20	26
10	34	25	19	34	25	19	23	17	23

Average Luminance data in candela / sq. meter

Angle	0°	45°	90°
45	3779.	4883.	5134.
55	2966.	5260.	5119.
65	2443.	4964.	5236.
75	1675.	4830.	5402.
85	1108.	4239.	4086.



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Sealatron IP May 11, 2012

Specifications are subject to change without notice.
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Job Information Type: