

PHILIPS Day-Brite CFI

Linear

Eye-Q Indirect/
Direct or Direct

T8, 4' or 8', 25° louver



Project: _____
Location: _____
Cat.No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

The Philips Day-Brite / Philips Eye-Q Indirect/Direct or Direct is a surface or suspended luminaire primarily designed for pendant or cable mounted installations. It utilizes T8 lamps and a 25° cut-off louver. Available with solid or perforated side reflectors, the Eye-Q is ideal for schools, offices, or retail applications.

Ordering guide

Example: EYS825FX232UNV-1/4-EB

Family	Side	Length	Shielding	Finish	Distribution	Lamp quantity (per x-section)	Lamp Type	Voltage	Options
EY	S		25	F		2	32	—	
EY Eye-Q	S Solid P Perforated	4 48" 8 96"	25 25° louver cut-off	F Flat white (standard)	X No reflector (uplight/ downlight) S Top reflector (downlight only)	2 2 lamps	32 32WT8	UNV 120-277V 120 120V 277 277V 347 347V	1/2 One 2-lamp ballast 1/4 One 4-lamp ballast 2/2 Two 2-lamp ballasts EB Electronic ballast, <20% THD EB10I Electronic ballast, instant start, <10% THD EB10R Electronic ballast, program rapid start, <10% THD EBHE Electronic ballast, high efficiency, std. ballast factor EBLHE Electronic ballast, high efficiency, low ballast factor EBHHE Electronic ballast, high efficiency, high ballast factor EBSO Electronic ballast, step dimming, std. (.88) ballast factor EBD Electronic dimming ballast ESNOLP Electronic ballast for energy savings (25/28/30W) T8 lamps, use when lamps are not specified with luminaire E6LP DEB-6LP emerg. ballast, US or Canada Market, T8/T5/T5HO, 1250 lumens, 120/277 E7LP DEB-7LP emerg. ballast, 600-700 lumens GLR# Fusing, fast blow (# = number of ballasts)

Accessories (order separately)

Stem and Canopy Sets

- **CS-400** – Rigid canopy (one)
- **CS-500** – 42" swivel canopy (one)
- **CS-48** – 48" long 3/8" trade size stem (5/8" O.D.) (one). Locknuts included. Specify length as needed (CS-XX). XX = stem length in inches, i.e. CS-12, CS-24, etc.

Cable Hanger Sets

- **ACH48** – 48" 2mm aircraft cable hanger (one), 5" diameter white canopy, adjustable 1/2" diameter grip coupler. Suffix with **-SC** for white straight 3-wire power cord, or **-CC** for coiled cord (i.e. ACH48-CC). For longer lengths specify cable length as needed (ACHXX).
- **EY SLIDE GRIP** – slide grip hanger (see p.2 for details)
- **EY COUPLER** – coupler – required for continuous row mounting (see p.2 for details)

EYS & EYP Eye-Q Indirect/Direct or Direct

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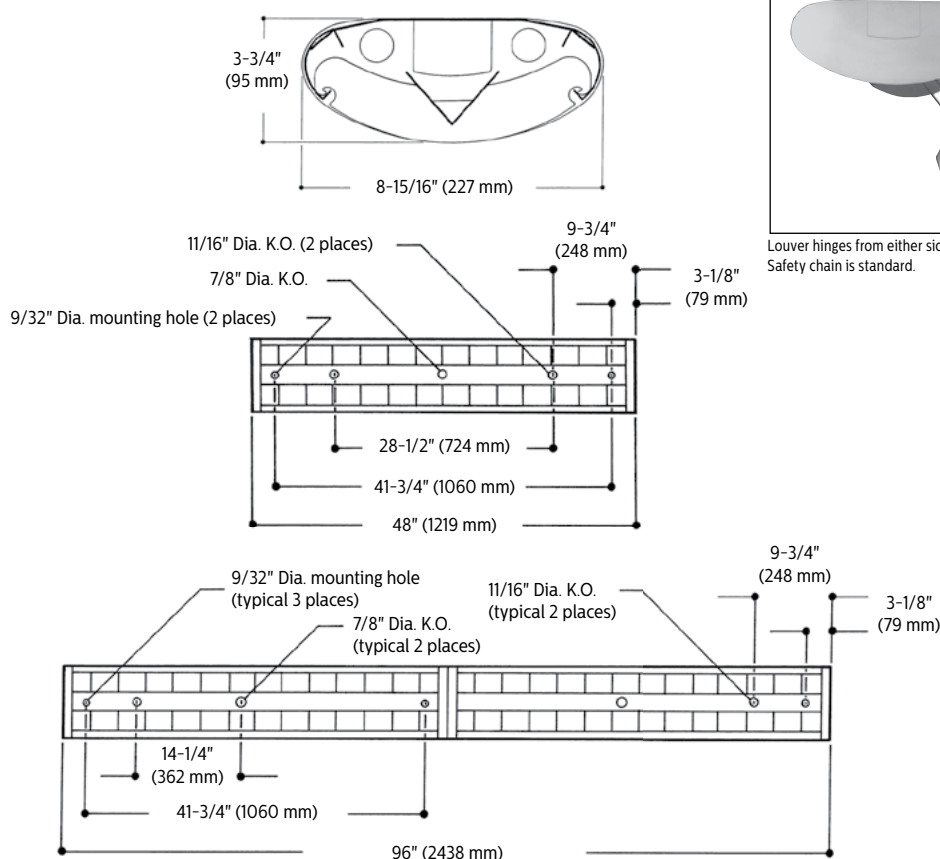
Features

- Ideal for schools, offices or stores.
- 60% uplight, 40% downlight distribution standard.
- Can be pendant or surface mounted.
- Top reflectors available for downlight only.
- 89.4% efficient with solid side reflectors and 86.2% efficient with perforated side reflectors.
- 33° x 25° cut-off steel louver with safety chain.
- 48" or 96" modular lengths.
- Can be stem or cable mounted at fixture joints.
- Steel housing and fixture ends.
- Solid or perforated steel side reflectors. Perforated reflectors have translucent white acrylic liner.
- 1-3/4" x 2" easy tear-out flush K.O. in fixture end for thru wiring.
- Flat white acrylic baked enamel (post painted).

Specifications

- **Materials:** Housing is die-formed code gauge cold rolled steel with full length channel for thru wiring.
- **Fixture Ends:** Cold rolled steel with 1-3/4" x 2" flush K.O. for thru wiring.
- **Louver:** Cold rolled steel with safety chain.
- **Side Reflectors:** Solid or perforated cold rolled steel.
- **Finish:** Post painted white acrylic baked enamel.
- **Electrical:** Thermally protected class "P" ballast, non PCB.
- **Labels:** cULus listed. Suitable for damp locations.

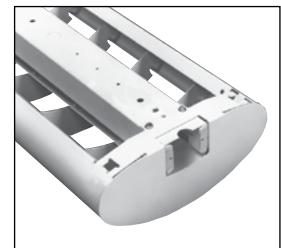
Dimensions



Mounting methods



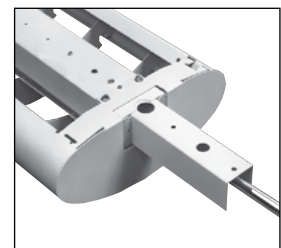
Louver hinges from either side. Safety chain is standard.



1-3/4" x 2" flush K.O. easy tear-out for thru wiring.



Side grip hanger accessory can be used at joint or along channel. (Can not be used with top reflector). Order catalog number: **EY SLIDE GRIP**



Coupler accessory required for continuous row mounting. Order catalog number: **EY COUPLER**

EYS & EYP Eye-Q Indirect/Direct or Direct

T8, 4' or 8', 25° louver

Photometry

Eye-Q 2 lamp T8, solid sides with top reflector

Efficiency – 62.5%

LER – 54

TER – 49

Catalog No.	EYS425FS232UNV-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	G98059	0	1555	1555	1555	0-30	1275	22.4	35.7	45	4254	5072	4731
S/MH	1.3	5	1531	1558	1609	0-40	2026	35.5	56.6	55	3382	3718	3249
Lamp Type	32WT8	10	1477	1604	1728	0-60	3147	55.2	88.0	65	2328	2632	2233
Lumens/Lamp	2850	15	1404	1638	1780	0-90	3577	62.8	100.0	75	1878	1800	916
Ballast Factor	0.88	20	1316	1608	1707					85	1336	2719	1198
Input Watts	58	25	1216	1503	1591								
		30	1104	1364	1457								
		35	987	1212	1297								
		40	871	1058	1081								
		45	749	893	833								
		50	613	710	621								
		55	483	531	464								
		60	355	388	351								
		65	245	277	235								
		70	179	182	124								
		75	121	116	59								
		80	71	82	39								
		85	29	59	26								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.44** based on 3000 hrs. and \$.08 pwr KWH.

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR									
0	75	75	75	72	72	72	69	69	
1	68	67	64	68	65	63	63	60	
2	64	58	56	61	57	55	56	53	
3	58	53	47	56	52	47	50	46	
4	54	47	42	53	46	41	45	40	
5	50	42	38	48	41	36	40	36	
6	46	39	34	46	38	34	36	33	
7	44	35	30	41	34	29	34	29	
8	40	33	28	40	32	28	32	27	
9	38	29	25	36	29	25	28	25	
10	35	28	23	34	28	23	27	23	

Eye-Q 2 lamp T8, solid sides with no reflector

Efficiency – 89.0%

LER – 72

TER – 55

Catalog No.	EYS425FX232UNV-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	ITL48551	0	829	829	829	0-30	654	11.7	13.1	45	2047	2721	2609
S/MH	1.5	5	821	825	825	0-40	1088	19.4	21.7	55	1658	1937	1596
Lamp Type	32WT8	15	753	789	840	0-60	1788	31.9	35.7	65	1198	1188	1125
Lumens/Lamp	2800	25	652	750	884	0-90	2065	36.9	41.2	75	941	748	376
Ballast Factor	0.88	35	534	699	852	90-180	2943	52.6	58.8	85	575	673	367
Input Watts	61	45	411	595	582	0-180	5008	89.4	100.0				
		55	273	359	304								
		65	148	174	171								
		75	74	77	41								
		85	18	38	23								
		95	31	77	73								
		105	160	221	208								
		115	296	437	416								
		125	417	616	635								
		135	529	735	792								
		145	620	758	869								
		155	693	763	825								
		165	737	758	780								
		175	756	757	756								

Comparative yearly lighting energy cost per 1000 lumens – **\$3.33** based on 3000 hrs. and \$.08 pwr KWH.

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50		
pw	70	50	30	70	50	30	50	30	
RCR									
0	93	93	93	85	85	85	69	69	
1	85	81	79	78	75	71	61	59	
2	79	71	67	71	66	61	55	52	
3	71	64	57	65	58	53	48	45	
4	66	56	50	59	52	46	42	39	
5	60	51	44	55	46	40	39	34	
6	56	45	38	51	41	35	34	29	
7	52	40	34	46	38	32	32	27	
8	47	36	29	44	34	28	28	23	
9	44	34	27	40	30	25	26	22	
10	41	30	25	38	28	23	23	20	



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or 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

EYS & EYP Eye-Q Indirect/Direct or Direct

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Photometry

Eye-Q 2 lamp T8, perforated sides with no reflector

Efficiency – 85.8%

LER – 73

TER – 57

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	EYP425FX232UNV-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	G98076	0	779	779	779	0-30	614	10.8	12.5	45	1746	2154	2102
S/MH	1.5	5	766	774	783	0-40	1024	18.0	20.9	55	1373	1492	1218
Lamp Type	32WT8	15	701	741	797	0-60	1703	29.9	34.7	65	943	878	928
Lumens/Lamp	2850	25	605	704	841	0-90	2043	35.8	41.6	75	737	560	606
Ballast Factor	0.88	35	492	661	831	90-180	2868	50.3	58.4	85	443	459	562
Input Watts	59	45	370	567	580	0-180	4911	86.2	100.0				
		55	243	353	306								
		65	129	178	203								
		75	68	91	109								
		85	20	54	76								
		95	26	100	124								
		105	138	238	243								
		115	276	438	431								
		125	410	611	636								
		135	523	720	783								
		145	615	745	853								
		155	684	752	815								
		165	728	524	778								
		175	747	166	755								

Coefficients of Utilization													
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)													
pcc	80				70				50				
pw	70	50	30		70	50	30		50	30			
RCR													
0	91	91	91		82	82	82		68	68			
1	82	79	76		75	71	68		58	56			
2	75	68	64		68	63	58		52	48			
3	68	60	55		63	56	51		46	41			
4	63	54	46		56	50	44		40	36			
5	57	47	40		53	44	38		36	32			
6	53	42	35		48	40	34		33	28			
7	48	39	32		45	35	29		29	26			
8	46	34	28		41	33	27		27	23			
9	42	32	26		39	29	23		25	20			
10	40	29	23		35	27	22		23	19			

Comparative yearly lighting energy cost per 1000 lumens – **\$3.29** based on 3000 hrs. and \$.08 pwr KWH.

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