

PHILIPS Day-Brite CFI

Linear

Eye-Q Indirect/
Direct or Direct

T8, 4' or 8', 35° 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 35° cut-off louver. Available with solid or perforated side reflectors, the Eye-Q is ideal for schools, offices, or retail applications.

Ordering guide

Example: EYS835FX232UNV-1/4-EB

Family	Side	Length	Shielding	Finish	Distribution	Lamp quantity (per x-section)	Lamp Type	Voltage	Options
EY	S		35	F		2	32	—	
EY Eye-Q	S Solid P Perforated	4 48" 8 96"	35 35° 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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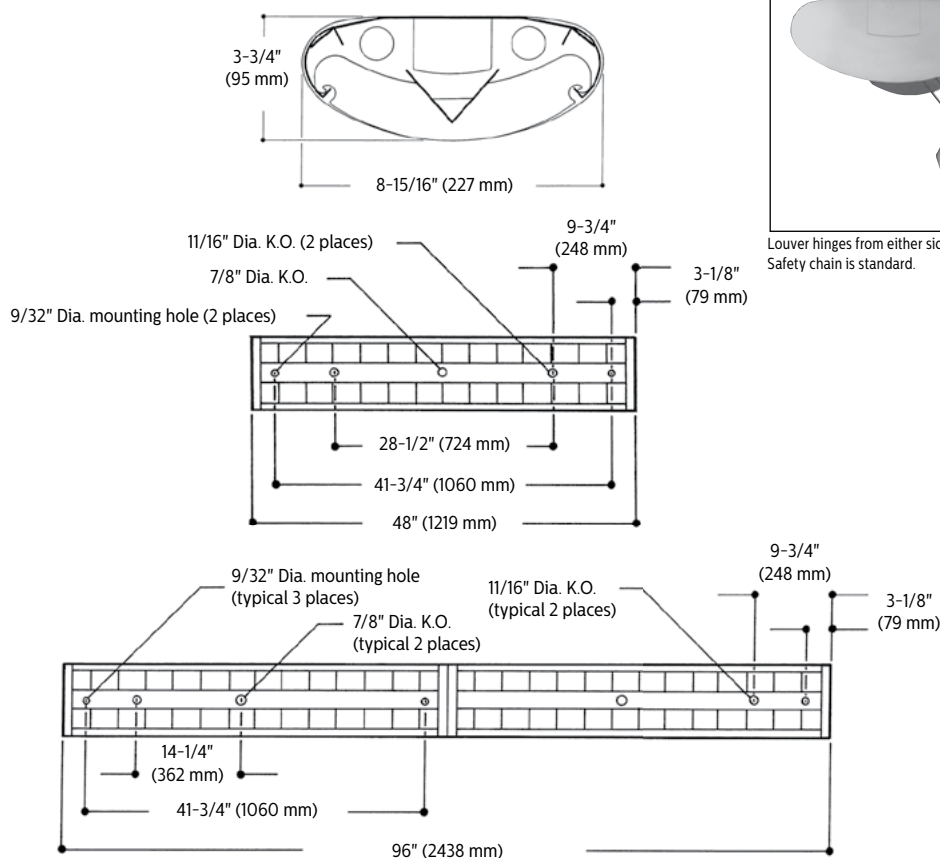
Features

- Ideal for schools, offices or stores.
- 60% uplight, 40% downlight distribution standard.
- Can be pendant or surface mounted.
- Top reflectors available for downlight only.
- 87.7% efficient with solid side reflectors and 84.8% efficient with perforated side reflectors.
- 33° x 35° 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.

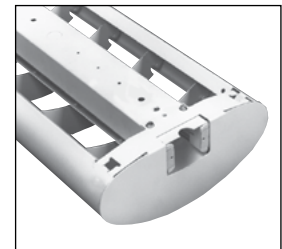
Dimensions



Mounting methods



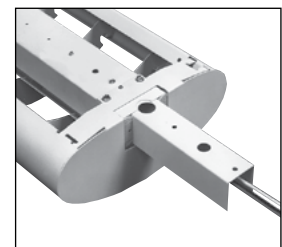
Louver hinges from either side. Safety chain is standard.



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', 35° louver

Photometry

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

Efficiency – 60.6%

LER – 52

TER – 48

Catalog No.	EYS435FS232UNV-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	G98058	0	1601	1601	1601	0-30	1277	22.4	36.9	45	3635	4726	4930
S/MH	1.3	5	1571	1603	1658	0-40	2002	35.1	57.9	55	2570	3473	3417
Lamp Type	32WT8	10	1504	1641	1772	0-60	3038	53.3	87.9	65	2110	2480	2385
Lumens/Lamp	2850	15	1411	1652	1818	0-90	3458	60.7	100.0	75	1738	1971	1024
Ballast Factor	0.88	20	1301	1602	1740					85	1244	3134	1336
Input Watts	58	25	1177	1477	1621								
		30	1054	1322	1489								
		35	927	1159	1330								
		40	781	997	1119								
		45	640	832	868								
		50	501	660	652								
		55	367	496	488								
		60	288	361	371								
		65	222	261	251								
		70	164	184	135								
		75	112	127	66								
		80	67	94	43								
		85	27	68	29								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.62** 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	71	71	71	70	70	70	67	67	
1	67	64	61	65	63	60	60	58	
2	61	56	54	59	56	53	54	51	
3	56	51	46	56	50	46	48	45	
4	53	46	40	51	45	40	44	40	
5	48	41	36	47	40	36	40	35	
6	45	38	33	44	38	33	35	32	
7	41	34	29	40	34	29	33	28	
8	40	32	27	39	32	27	30	27	
9	36	29	25	35	28	25	28	23	
10	34	27	23	34	27	23	27	23	

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

Efficiency – 87.6%

LER – 71

TER – 55

Catalog No.	EYS435FX232UNV-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	ITL48492	0	846	846	846	0-30	652	11.6	13.3	45	2018	2805	3068
S/MH	1.5	5	835	840	842	0-40	1074	19.2	21.9	55	1475	1958	1836
Lamp Type	32WT8	15	754	791	851	0-60	1728	30.9	35.2	65	1195	1190	1259
Lumens/Lamp	2800	25	632	737	906	0-90	1993	35.6	40.6	75	953	799	448
Ballast Factor	0.88	35	499	673	881	90-180	2915	52.1	59.4	85	544	755	368
Input Watts	61	45	357	547	613	0-180	4908	87.7	100.0				
		55	214	325	315								
		65	130	157	174								
		75	66	75	45								
		85	15	40	22								
		95	36	82	79								
		105	165	227	216								
		115	306	445	429								
		125	438	625	646								
		135	544	740	798								
		145	633	763	872								
		155	699	765	824								
		165	740	758	775								
		175	755	755	752								

Comparative yearly lighting energy cost per 1000 lumens – **\$2.96** 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	92	92	92	83	83	83	68	68	
1	83	81	77	77	73	70	59	58	
2	77	70	66	69	65	59	53	50	
3	69	63	56	64	56	52	46	44	
4	65	56	48	58	51	45	41	38	
5	58	50	42	54	46	40	38	34	
6	55	45	38	50	40	34	34	29	
7	51	40	33	46	36	30	30	27	
8	46	35	29	42	34	28	28	23	
9	44	33	27	40	30	25	26	22	
10	40	29	23	36	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

T8, 4' or 8', 35° louver

Photometry

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

Efficiency – 84.7%

LER – 72

TER – 56

		Candlepower				Light Distribution				Average Luminance			
Catalog No.	EYP435FX232UNV-1/2-EB	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45'	Cross
Test No.	G98077	0	792	792	792	0-30	613	10.7	12.7	45	1510	1971	2138
S/MH	1.5	5	777	785	794	0-40	1011	17.7	20.9	55	1074	1323	1214
Lamp Type	32WT8	15	696	741	807	0-60	1632	28.6	33.8	65	870	804	932
Lumens/Lamp	2850	25	583	693	864	0-90	1953	34.3	40.4	75	682	560	640
Ballast Factor	0.88	35	455	637	846	90-180	2881	50.5	59.6	85	421	476	569
Input Watts	59	45	320	519	590	0-180	4834	84.8	100.0				
		55	190	313	305								
		65	119	163	204								
		75	63	91	115								
		85	19	56	77								
		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	755	815								
		165	728	752	778								
		175	747	749	755								

Coefficients of Utilization													
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)													
pcc	80			70			50						
pw	70	50	30	70	50	30	70	50	30	70	50	30	70
RCR													
0	89	89	89	81	81	81	66	66	66	66	66	66	66
1	81	78	73	73	70	68	57	56	56	57	56	56	56
2	73	68	63	67	61	57	51	47	47	51	47	47	47
3	68	59	54	60	55	50	45	41	41	45	41	41	41
4	61	53	46	56	48	42	40	35	35	40	35	35	35
5	56	46	40	52	44	38	35	32	32	35	32	32	32
6	53	42	35	47	39	33	33	28	28	33	28	28	28
7	48	38	32	44	34	29	29	25	25	29	25	25	25
8	45	34	28	40	32	26	27	23	23	27	23	23	23
9	41	32	26	38	28	23	25	20	20	25	20	20	20
10	39	28	23	35	27	22	23	19	19	23	19	19	19

Comparative yearly lighting energy cost per 1000 lumens – **\$2.93** based on 3000 hrs. and \$.08 pwr KWH.

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