

PHILIPS

Day-Brite

CFI

Linear

Eye-Q Low Bay
Indirect/Direct

4 lamp, T8, T5, or T5HO,
4' or 8'



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

The Philips Day-Brite / Philips Eye-Q Low Bay Indirect/Direct is a surface or suspended luminaire utilizing T8, T5, or T5HO lamps and a 14 cell louver. Available with 2 different uplight/downlight distributions, the Eye-Q Low Bay is an energy saving replacement for traditional low bays. It is ideal for schools, labs, retail applications, or warehouses.

Ordering guide

Example: EYS414FR432UNV-1/4-EB

Family	Side	Length	Shielding	Finish	Distribution	Lamp quantity (per x-section)	Lamp Type	Voltage	Options
EY	S		14	F		4		—	
EY	Eye-Q	S Solid 4 48" 8 96"	14 14 cell louver, 1 row	F Flat white (standard)	X No reflector, (45% downlight, 55% uplight) R 10% uplight reflector	4 4 lamps	28 28WT5 32 32WT8 54 54WT5HO	UNV 120-277V 120 120V 277 277V 347 347V	2/2 Two 2-lamp ballasts 2/4 Two 4-lamp ballasts 4/2 Four 2-lamp ballasts EB Electronic ballast, <20% THD EB10I T8 electronic ballast, instant start, <10% THD EB10R Electronic ballast, program rapid start, <10% THD EBHE T8 electronic ballast, high efficiency, std. ballast factor EBLHE T8 electronic ballast, high efficiency, low ballast factor EBHHE T8 electronic ballast, high efficiency, high ballast factor EBSD T8 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 EBSD95 28WT5 electronic step dimming ballast, .95 ballast factor EBSD115 28WT5 electronic step dimming ballast, 1.15 ballast factor E6LP DEB-6LP emerg. ballast, US or Canada Market, T5/T5HO/T8, 1250 lumens, 120/277 E7LP DEB-7LP emerg. ballast, T5/T5HO/T8, 600-700 lumens GLR# Fusing, fast blow (# = number of ballasts)

Accessories (order separately)

- **FKR-126** – chain hanger set
- **MD360** – luminaire mount motion sensor, 360° coverage, up to 40ft mounting distance (requires HBEM3 extension bracket, purchased separately)
- **HBEM3** – extension bracket for MD360

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 COUPLER** – coupler - required for continuous row mounting (see p.2 for details)

EYS Eye-Q Low Bay Indirect/Direct

4 lamp, T8, T5, or T5HO, 4' or 8'

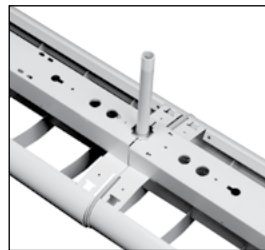
Features

- Energy savings replacement for HID Low Bay.
- Ideal for stores, schools, labs, warehouses.
- Reflector option (R) is 90% downlight, 10% uplight. No reflector option (X) is 45% downlight, 55% uplight.
- 89.0% efficient (4 lamp 54W T5). 79.4% efficient (4 lamp 32W T8) with 10% uplight (R) reflector option.
- 1.1 spacing mounting ratio (4 lamp 54W T5).
- 1.0 spacing mounting ratio (4 lamp 32W T8).
- Can be pendant or surface mounted.
- 48" or 96" modular lengths.
- 95% reflective specular aluminum top reflector.
- Steel housing, ends and side reflectors.
- Flat white acrylic baked enamel, post painted.
- Louver can hinge from either side.
- Louver safety chain standard.
- Removeable upper end cap for thru wiring.
- Can be stem or cable mounted at fixture joints.
- K.O. in upper end cap for occupancy sensor.
- Heavy duty coupler available.

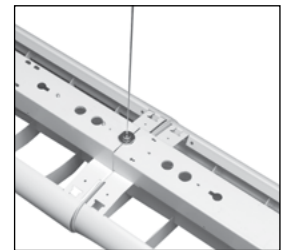
Specifications

- **Materials:** Housing is die-formed code gauge cold rolled steel with full length channel for thru wiring.
- **Fixture Ends:** Cold rolled steel.
- **Louver:** Cold rolled steel.
- **Side Reflectors:** Solid cold rolled steel.
- **Finish:** Post painted white acrylic baked enamel.
- **Electrical:** Thermally protected class "P" ballast, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°. UL Listed for damp locations.
- **Labels:** cULus listed. Suitable for damp locations.

Mounting methods



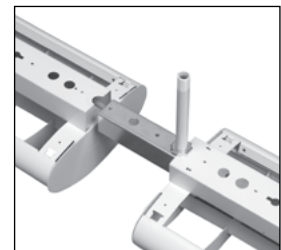
Can be stem mounted at fixture joints



Can be cable mounted at fixture joints

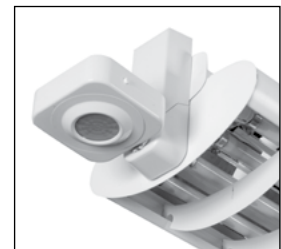
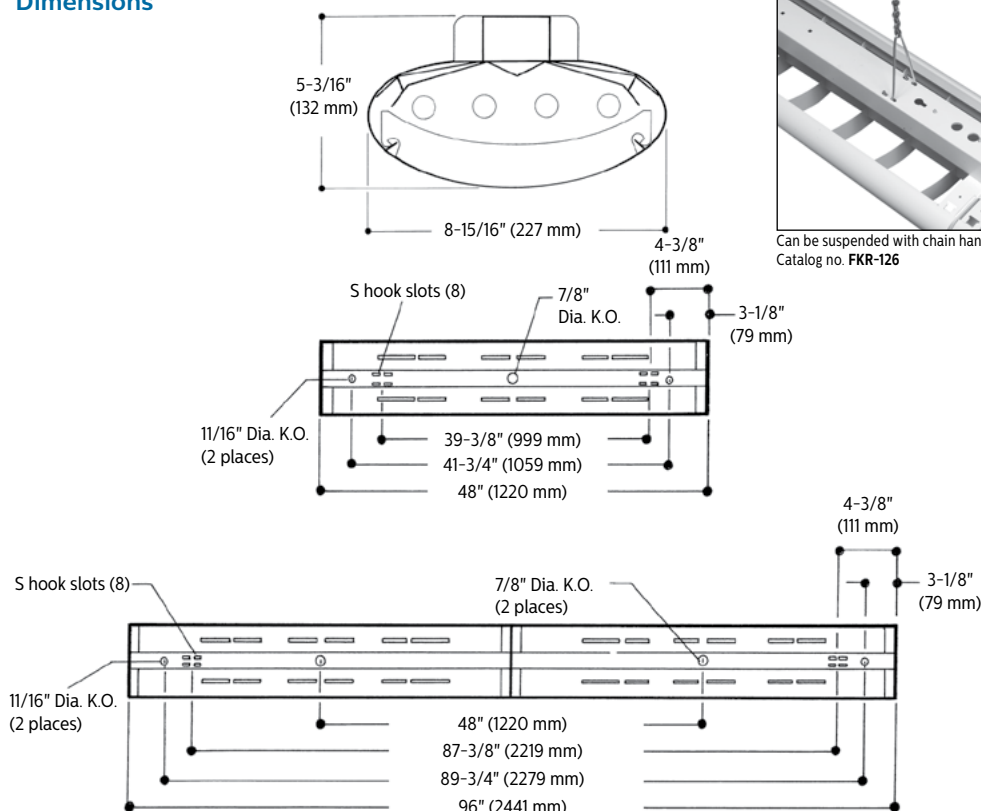


Can be suspended with chain hanger sets.
Catalog no. FKR-126



Heavy duty coupler, required for continuous row mounting. Catalog no. EY COUPLER

Dimensions



- Optional occupancy sensor. Catalog no. MD360
Luminaire mounted motion sensor, 360° coverage, up to 40 ft. mounting distance. Field installed.
- Line voltage accepts 120 through 277 volt applications.
 - Uses passive infrared (PIR) technology shielded by a fresnel lens; upon detection of infrared energy levels, the sensor is triggered and switches the light on.
 - Light shuts off after a time delay unit that is factory preset at 10 minutes, manually adjustable from 30 sec. to 20 min. using tool included.
 - Mounts on either end using 7/8" knockouts provided.
 - Requires HBEM3 extension bracket, purchased separately.

EYS Eye-Q Low Bay Indirect/Direct

4 lamp, T8, T5, or T5HO, 4' or 8'

Photometry

Model No. EYS414FR432UNV-1/4-EB

LER = 70.9 TER = 61 IW = 112.3 BF = 0.88
Comparative yearly lighting energy cost per
1000 lumens = \$3.39

Report Number: G2005256
Catalog Number: EYS414FR432UNV-1/4-EB
Lamps: F32T8/TL841
Luminaire: Eye-QLB with solid sides, 14 cell
flat white louver and 10% uplight specular
reflector
Ballast: Triad QTP432T8
Report is based on 2850 Lumens per lamp.
Efficiency: 79.4%
CIE Type-Direct
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.1 1.1
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 48.000 9.000
Height of Side: 3.960 3.960

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	85	81	78	74	72	69	66
2	78	71	66	65	61	58	56
3	71	63	57	58	53	49	51
4	65	56	49	52	46	42	44
5	60	50	44	46	41	37	44
6	56	45	39	42	37	32	35
7	52	41	35	38	33	29	32
8	48	38	31	35	30	26	29
9	45	35	29	33	27	23	26
10	42	32	26	30	25	21	24

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	8434.	6548.	7693.
55	6618.	5605.	6659.
65	4252.	4240.	5087.
75	2849.	2707.	2906.
85	1525.	1543.	573.

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	3744	3744	3744	
5	3655	3645	3645	344
15	3353	3212	3242	916
25	2910	2735	2806	1283
35	2380	2219	2458	1440
45	1800	1769	2184	1441
55	1183	1370	1734	1235
65	591	896	1165	872
75	268	465	554	464
85	72	196	84	166
90	6	131	28	
95	22	89	32	70
105	63	93	58	78
115	108	101	131	111
125	153	111	125	121
135	196	184	132	135
145	234	246	217	124
155	263	265	274	124
165	285	284	286	80
175	295	288	290	28
180	291	291	291	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	2543	22.3	28.1
0- 40	3983	34.9	44.0
0- 60	6659	58.4	73.5
0- 90	8160	71.6	90.1
90-120	259	2.3	2.9
90-130	380	3.3	4.2
90-150	662	5.8	7.3
90-180	894	7.8	9.9
0-180	9054	79.4	100.0

Model No. EYS414FR454UNV-2/2-EB

LER = 69.4 TER = 60 IW = 225.8 BF = 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$3.46

Report Number: G2005269
Catalog Number: EYS414FR454UNV-2/2-EB
Lamps: FP54/835
Luminaire: Eye-Q LB with solid sides, 14 cell
flat white louver and 10% uplight specular
reflector.
Ballast: Universal B254IUNV-E
Report is based on 4400 Lumens per lamp.
Efficiency: 89.0%
CIE Type-Direct
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.1 1.1
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 48.000 9.000
Height of Side: 3.960 3.960

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	95	91	87	83	80	78	74
2	87	79	74	73	68	64	62
3	79	70	63	64	59	54	56
4	73	62	55	57	51	47	49
5	67	56	48	52	45	41	44
6	62	50	43	47	40	36	39
7	57	46	38	43	36	32	35
8	54	42	35	39	33	29	32
9	50	39	31	36	30	26	29
10	47	36	29	33	28	24	27

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	14099.	11775.	12628.
55	11266.	9434.	10322.
65	7622.	6994.	10877.
75	5118.	5409.	6918.
85	2775.	2583.	1051.

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	5838	5838	5838	
5	5741	5845	5976	560
15	5336	5646	5661	1567
25	4668	4706	4620	2166
35	3868	3734	4388	2490
45	3009	3181	3585	2478
55	2014	2306	2688	2042
65	1057	1478	2491	1619
75	483	929	1319	952
85	131	328	154	290
90	11	210	44	
95	45	136	45	109
105	155	169	99	138
115	272	102	265	177
125	386	111	80	156
135	491	206	106	196
145	583	363	220	237
155	654	489	409	235
165	705	624	570	177
175	728	713	710	68
180	724	721	724	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	4293	24.4	27.4
0- 40	6784	38.5	43.3
0- 60	11303	64.2	72.2
0- 90	14164	80.5	90.5
90-120	424	2.4	2.7
90-130	580	3.3	3.7
90-150	1013	5.8	6.5
90-180	1493	8.5	9.5
0-180	15667	89.0	100.0



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

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