



BAYLIGHTER™ LED

EBY350 (4FT) SERIES (2' AVAILABLE)

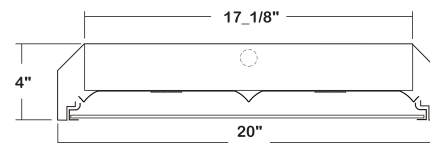
ENCLOSED HIGH BAY LUMINAIRE

DATE	
JOB	

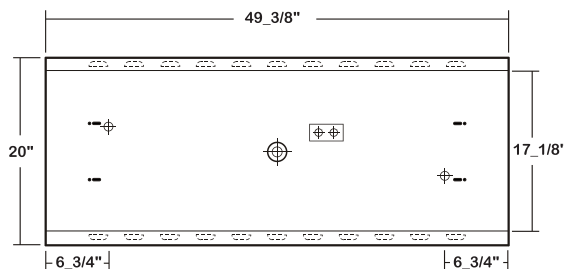
WWW.LALIGHTING.COM
626-454-8300

SURFACE/PENDANT/SUSPENSION MOUNTED HIGH BAY LED LUMINAIRE

DIMENSIONS



- V-HOOK
- ⊕ ACCESS PLATE
- ⊕ 7/8" OFFSET K.O.
- ⊕ 2" K.O.



APPLICATIONS

- Commercial, Industrial, Warehouse

FEATURES

- 0-10V dimming driver standard (See DRIVER OPTIONS for other dimming types)
- Supports California Title 24 compliance
- Safety cables attached to door frame and LED gear tray

OPTIONS

- **High (HT)** ambient temperature version available for extreme temperature ranges (See SYSTEM DATA for ranges)
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available (See SENSOR OPTIONS for controls and sensors)
- Wireless control options available (See SENSOR OPTIONS for wireless controls)
- Custom colors available (See CUSTOM COLORS for standard and custom options)
- Variety of lenses available (See OPTICAL OPTIONS for lenses)
- Available without door and lens assembly
- Emergency battery pack available (See BATTERY PACK OPTIONS for battery pack options)
- 11 ga. wire guard available (See ACCESSORIES for details)
- Cable suspension systems available (See ACCESSORIES for details)
- Ceiling spacers available (See ACCESSORIES for details)

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel housing with louvered vents for heat removal (20 ga. C.R.S. and 0.040 aluminum housing available as specified)
- 20 ga. cold rolled steel door frame secured by T-hinges and positive spring loaded latches
- One way polyurethane gasket standard (See GASKET for gasket options)

FINISH

- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%

OPTICAL

- Clear prismatic acrylic lens standard

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000-269,000 hours (L70), up to 87,000 hours (L90)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-year limited warranty

INSTALLATION NOTE:

- Must be spaced minimum 1 1/2" from ceiling when surface mounted (only for 32000 lumens System)



Los Angeles Lighting Mfg. Co.
Headquarters
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Made in the USA

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ORDERING INFORMATION

EXAMPLE: EBY350-24-4L-PA2-BPL10-1DRDM-UNV-2/850HT

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL / DOOR FRAME	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
EBY350			4L				1DRDM	UNV	4	
EBY350 Enclosed High Bay LED Luminaire (Normal Ambient Temperature Version)	24 Nom. 24000 Lumens *Additional Lumen Packages Available	(Blank) Standard HE High Efficacy (Only 24000 lumens System)	4L 4'	PA Clear Prismatic Acrylic PA2 Clear Prismatic Acrylic Nom. 0.125 FPA2 Frosted Prismatic Acrylic Nom. 0.125 XX No Door & Lens Assembly See <i>OPTICAL OPTIONS</i> for Options	GSKNx Neoprene Gasket See GASKET for Options *Leave Blank if Not Specified	BPL10 Emergency Battery Pack, Constant 10W Nom. 1500 lm See <i>BATTERY PACK OPTIONS</i> for Options MSxx Motion Sensor See <i>SENSOR OPTIONS</i> for Options *Leave Blank if Not Specified Additional Electrical Options	1DRDM 0-10V One Dimming Driver See <i>DRIVER OPTIONS</i> for Options	UNV 120V-277V See <i>DRIVER OPTIONS</i> for Options	4 Four LED Rows	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

SERIES	LED LUMEN PACKAGE	NOMINAL LENGTH	OPTICAL / DOOR FRAME	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT	AMBIENT TEMP.
EBY350		4L				1DRDM	UNV	2		HT
EBY350 Enclosed High Bay LED Luminaire (HT - High Ambient Temperature Version)	24 Nom. 24000 Lumens 32 Nom. 32000 Lumens *Additional Lumen Packages Available	4L 4'	PA Clear Prismatic Acrylic PA2 Clear Prismatic Acrylic Nom. 0.125 FPA2 Frosted Prismatic Acrylic Nom. 0.125 XX No Door & Lens Assembly See <i>OPTICAL OPTIONS</i> for Options	GSKNx Neoprene Gasket See GASKET for Options *Leave Blank if Not Specified	BPL10 Emergency Battery Pack, Constant 10W Nom. 1500 lm See <i>BATTERY PACK OPTIONS</i> for Options MSxx Motion Sensor See <i>SENSOR OPTIONS</i> for Options *Leave Blank if Not Specified Additional Electrical Options	1DRDM 0-10V One Dimming Driver See <i>DRIVER OPTIONS</i> for Options	UNV 120V-277V See <i>DRIVER OPTIONS</i> for Options	2 Two LED Rows	835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available	HT High Ambient Temp.

PERFORMANCE DATA

VIEW LIGHTING FACTS

VIEW PHOTOMETRICS



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SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

NOMINAL SIZE	LED LUMEN PACKAGE	CRI / CCT	AMBIENT TEMP.	OPTICAL	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	FLUORESCENT EQUIVALENT	IES FILES
4'	24000 lm*	850	HT	PA	22389 lm	190 W	116.2 lm/W	6-F54T5HO	*
				CA	23773 lm	190 W	123.8 lm/W		*
				XX	25227 lm	190 W	130.4 lm/W		*
	24000 lm**	850	HT	PA / PA2	21844 lm	152.3 W	143.5 lm/W	6-F54T5HO	LA-T3136
				FPA2	21473 lm	152.3 W	141.0 lm/W		*
				XX	25526 lm	152.3 W	167.6 lm/W		*
	24000 lm	850	Normal	PA / PA2	20601 lm	209.3 W	98.4 lm/W	6-F54T5HO	*
				FPA2	20258 lm	209.3 W	96.8 lm/W		*
				XX	24079 lm	209.3 W	115.1 lm/W		*
	32000 lm	850	HT	PA / PA2	28741 lm	206.7 W	139.1 lm/W	8-F54T5HO	LA-T3137
				FPA2	28266 lm	206.7 W	136.8 lm/W		*
				XX	33602 lm	206.7 W	162.6 lm/W		*

NOTE:

System data above is based on 120V input voltage. DLC system data** based on DLC testing parameters. Actual performance may differ as a result of end-user environment and application.
 HT: High Ambient Operating Temperature Minimum -30°C / Maximum (please consult factory)
 Normal: This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range from -20°C to 35°C.

Additional lumen packages and color temperatures available.

Due to constant updates on this product, please visit the DLC QPL Website for the most accurate system data and information.



DLC part numbers:

- 2-EBY350-24K-4L-CA-2DRDM-UNV-3/850
- 2-EBY350-24K-4L-CA-2DRSDM-UNV-3/850
- 2-EBY350-24K-4L-PA-2DRDM-UNV-3/850
- 2-EBY350-24K-4L-PA-2DRSDM-UNV-3/850
- 2-EBY350-24K-4L-CA-xxxx-xxxxx-2DRDM-UNV-3/850
- 2-EBY350-24K-4L-CA-xxxx-xxxxx-2DRSDM-UNV-3/850
- 2-EBY350-24K-4L-PA-xxxx-xxxxx-2DRDM-UNV-3/850
- 2-EBY350-24K-4L-PA-xxxx-xxxxx-2DRSDM-UNV-3/850



DLC Premium part numbers:

- 2-EBY350-24K-4L-XX-2DRDM-UNV-3/850
- 2-EBY350-24K-4L-XX-2DRSDM-UNV-3/850
- 2-EBY350-24K-4L-XX-xxxx-xxxxx-2DRDM-UNV-3/850
- 2-EBY350-24K-4L-XX-xxxx-xxxxx-2DRSDM-UNV-3/850



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SENSOR OPTIONS

DRY AND DAMP LOCATIONS - HIGH / LOW AISLE MOUNTING APPLICATIONS - END MOUNT

MS - Motion Sensor

- Turns light ON/OFF based on motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)
- 480V available

MSSD - Motion Sensor – Step Dimming

- Step-dims light to desired preset level (based on motion detection)
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPC - Motion Sensor & Photocell

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCD(ADC) - Motion Sensor & PhotoCell Dimming (Auto Dim Control)

- Variably dims output to desired preset footcandle level through photocell ON/OFF with motion detection
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCD(ANL) - Motion Sensor & Photocell Dimming (Auto Night Light)

- Variably dims output to desired footcandles through photocell
- Low setting when unoccupied (full on with motion)
- For 24 hour use
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCDR - Motion Sensor & Photocell Dimming (Setup with Remote Control)

- Field adjustable dimming sensor capabilities:
 - Step Dim (HIGH/LOW output)
 - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
 - Auto Night Light (dim to desired footcandles, LOW without motion)
- Used in conjunction with 0-10V dimming Ballast /Driver
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Adjustable ramp up and fade down time
- Fixture mounting height 8-40'
- Universal Voltage (120V-277V)
- Remote setup and adjustment with handheld wireless tool (sold separately)

PCCS - Photocell Sensor

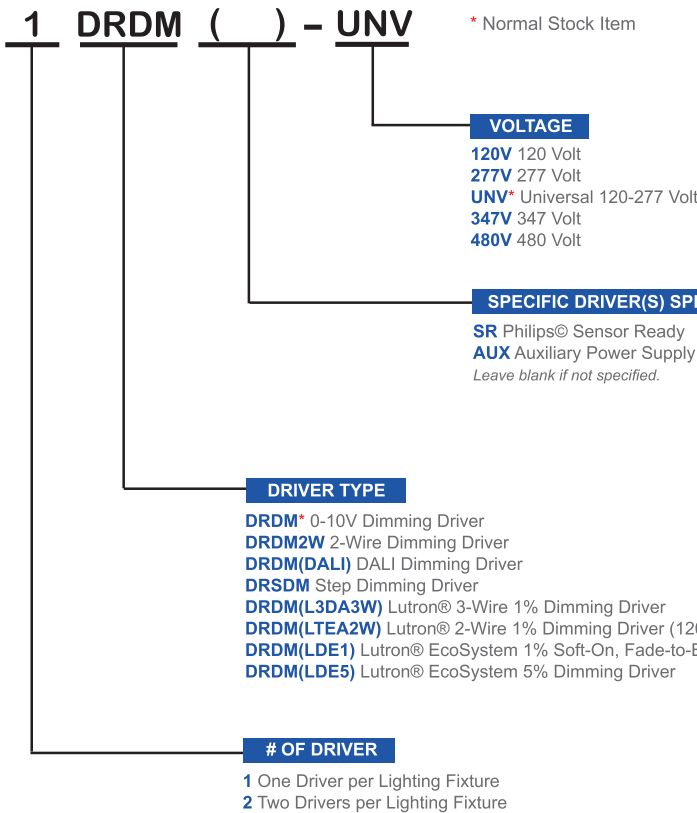
- Turns light ON/OFF based on light levels
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

PCD - Photocell Dimming

- Dims output to desired footcandles through photocell
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

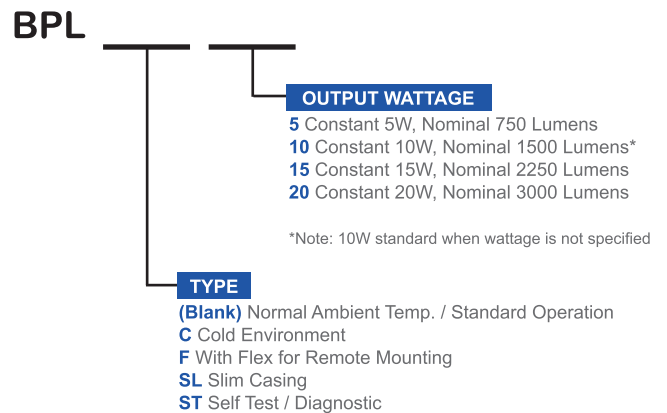
DRIVER OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.



BATTERY PACK OPTIONS

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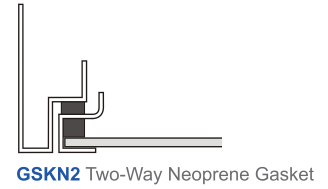
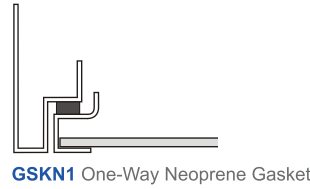
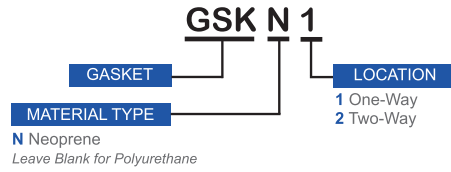


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GASKET



OPTICAL OPTIONS

STANDARD LENSES FOR EBY350

PA	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base
FPA2	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness
PA2	Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
CA	Clear Acrylic, No Thickness Specified
DRP2	High Impact Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
DRP8	High Impact Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base

ADDITIONAL AVAILABLE LENSES

(Not all optics suitable for fixture. Please consult factory to ensure selected optical option suits fixture. Please consult factory regarding any optical options not shown)

EXTRUDED PRISMATIC PATTERNS

PA3	Clear Prismatic Acrylic, Min. 0.125 OA Thickness, Female Prisms 3/16 Square Base
PA8	Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base
P15	Clear Prismatic Acrylic, Nom. 0.200 OA Thickness, Female Prisms 3/8 Square Base
P195	Clear Prismatic Acrylic, Nom. 0.150 OA Thickness, Male Conical Prisms 3/16 Square Base
P198	Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Male Conical Prisms 3/16 Square Base
PWA2	White Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
P3E	3E Batwing Pattern Lens
P195RF	Clear Prismatic Acrylic, 19 Shunts Radio Frequencies To Ground, Nom. 0.150 OA Thickness
PA2UV	Clear Prismatic Acrylic, UV Blocking, Nom. 0.125 OA Thickness

FLAT DIFFUSERS

FWA	Flat White Acrylic, No Thickness Specified, Stippled Finish	FWA2	Flat White Acrylic, Nom. 0.125 Thickness, Stippled Finish
FFA	Frosted Flat Acrylic, No Thickness Specified	FFA2	Frosted Flat Acrylic, Nom. 0.125 Thickness
CA8	Clear Acrylic, Nom. 0.187 OA Thickness	CA2	Clear Acrylic, Nom. 0.125 OA Thickness

HIGH IMPACT

VL25	Clear Polycarbonate, Nom. 0.125 Thickness with 0.125 Clear Prismatic Acrylic Overlay
VL37	Clear Polycarbonate, Nom. 0.250 Thickness with 0.125 Clear Prismatic Acrylic Overlay
CPC2	Clear Polycarbonate, Nom. 0.125 OA Thickness
CPC8	Clear Polycarbonate, Nom. 0.187 OA Thickness
PPC2	Clear Prismatic Polycarbonate, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
PPC8	Clear Prismatic Polycarbonate, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base
DRP3	High Impact Clear Prismatic Acrylic, Min. 0.125 OA Thickness, Female Prisms 3/16 Square Base



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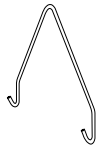
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ACCESSORIES

V6

- 6" Leg Height V-Hook
- Two (2) per fixture



WG11-EBY350

- 11 ga. Wire Guard
- Chrome epoxy powder coated finish

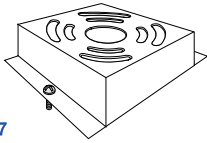
Cable Suspension System

- See Mechanical Options for additional Cable Suspension Systems

Ceiling Spacers

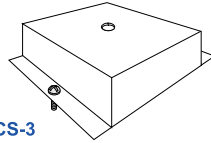
- Minimum one (1) of each per fixture
- Must drill own holes

Note: Ceiling spacers only required when 32000 / 36000 lumens system is specified.



FIS-7

Feed-in spacer mounts to junction box, spaces fixture 1_1/2" from ceiling

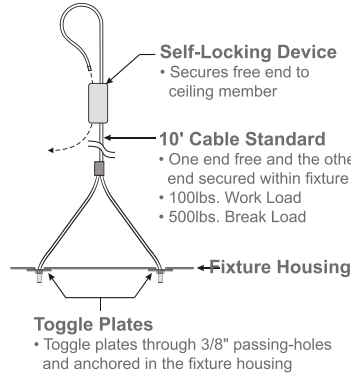


CS-3

Closed spacer, spaces fixture 1_1/2" from ceiling

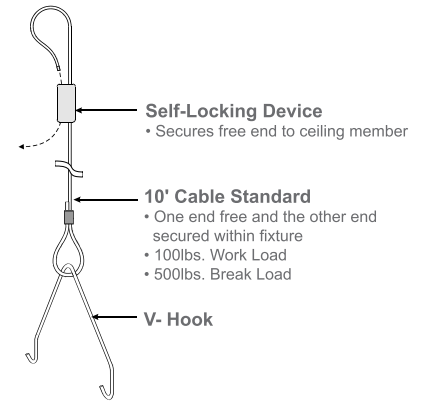
YTCS10

- Y-Toggle-End / Cable Suspension System



V6CS10

- V-Hook / Cable Suspension System
- Cable set with V6 hooks



CUSTOM COLORS

BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze

Variety of RAL colors & Axalta/DuPont colors available upon request.



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LED lighting facts

2-EBY350-24K-4L-CA-2DRDM-UNV-3/850

- **24000 Lumen System**
- **L70 performance at 198,000 hours**
- **L90 performance at 64,000 hours**



Los Angeles Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	23773
Watts	192.67
Lumens per Watt (Efficacy)	123.8

Color Accuracy Color Rendering Index (CRI)	84
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Light Color
Correlated Color Temperature (CCT) **5082 (Daylight)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the **Label Reference Guide**.

Registration Number: -RZVX5M (1/21/2016)
Model Number: 2-EBY350-24K-4L-CA-2DRDM-UNV-3/850
Type: Luminaire - Industrial

2-EBY350-24K-4L-PA-2DRDM-UNV-3/850

- **24000 Lumen System**
- **L70 performance at 182,000 hours**
- **L90 performance at 59,000 hours**



Los Angeles Lighting

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	22389
Watts	192.7
Lumens per Watt (Efficacy)	116.2

Color Accuracy Color Rendering Index (CRI)	85
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Light Color
Correlated Color Temperature (CCT) **5076 (Daylight)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

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Visit www.lightingfacts.com for the **Label Reference Guide**.

Registration Number: -WZRNH0 (1/21/2016)
Model Number: 2-EBY350-24K-4L-PA-2DRDM-UNV-3/850
Type: Luminaire - Industrial

2-EBY350-24K-4L-XX-2DRDM-UNV-3/850

- **24000 Lumen System**
- **L70 performance at 269,000 hours**
- **L90 performance at 87,000 hours**



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LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	25227
Watts	193.51
Lumens per Watt (Efficacy)	130.4

Color Accuracy Color Rendering Index (CRI)	85
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Light Color
Correlated Color Temperature (CCT) **5050 (Daylight)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

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Registration Number: -U2XB8M (1/21/2016)
Model Number: 2-EBY350-24K-4L-XX-2DRDM-UNV-3/850
Type: Luminaire - Industrial



LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731

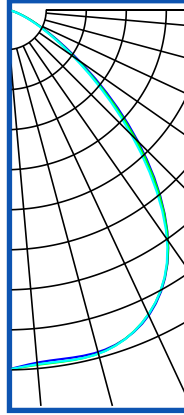
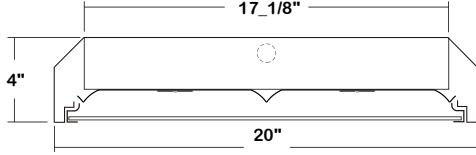
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PHOTOMETRIC DATA - EBY350 4FT SERIES

EBY350-24-4L-PA-1DRDM-UNV-2/850HT

TEST NO.=LA-T3136
 LED TYPE=144 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=152.3
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	10819	10819	10819
5	10642	10709	10693
15	10650	10699	10701
25	10130	10100	10100
35	8477	8463	8416
45	5597	5490	5316
55	2663	2529	2468
65	992	967	918
75	283	274	271
85	45	41	37
90	2	2	1
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

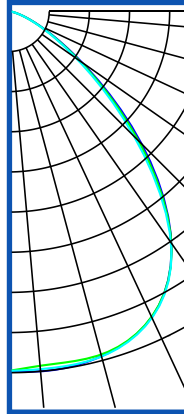
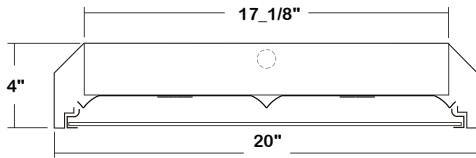
ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	8729	33.6	40.0
0-40	140.40	54.1	64.3
0-60	20564	79.2	94.1
0-90	21843	84.1	100.0
90-120	0.0	0.0	0.0
90-150	0.0	0.0	0.0
90-180	0.0	0.0	0.0
0-180	21844	84.1	100.0

Luminaire Output= 21 844 lumens
 Luminaire Efficacy = 143.5 lm/W

SPACING CRITERION	
ALONG	ACROSS
1.25	1.25

EBY350-32-4L-PA-1DRDM-UNV-2/850HT

TEST NO.=LA-T3137
 LED TYPE=144 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=206.7
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	14160	14160	14160
5	14234	14016	14148
15	14064	13997	14076
25	13296	13281	13319
35	11149	11144	11116
45	7382	7202	6965
55	3496	3369	3243
65	1307	1257	1226
75	361	361	354
85	58	52	55
90	2	3	2
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	11478	33.6	40.0
0-40	18475	54.1	64.3
0-60	27064	79.2	94.2
0-90	28742	84.1	100.0
90-120	1	0.0	0.0
90-150	1	0.0	0.0
90-180	1	0.0	0.0
0-180	28742	84.1	100.0

Luminaire Output= 28741 lumens
 Luminaire Efficacy = 139.1 lm/W

SPACING CRITERION	
ALONG	ACROSS
1.26	1.26

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