

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

FEATURES

- Three photometric distributions: Medium, Narrow and Aisle/Stack
- Available in 4' or 8' standard lengths
- Optional integral emergency battery pack for backup-required applications
- Uninterrupted ribbon of light for single or row mount applications
- Optional SpectraSync™ offers two modes of tunable white solutions and integrates seamlessly into a variety of control systems
- NX Lighting Controls provides options for standalone and networked integrated sensor with wired or wireless connectivity for NX system deployments



CONTROLS TECHNOLOGY



SPECIFICATIONS

CONSTRUCTION

- Heavy gauge steel housing, die embossed for maximum rigidity
- Housing and wireway are formed from code-gauge steel
- Injection molded ABS material end caps standard
- White painted parts are treated with a five-stage phosphate bonding process and finished with high reflectance baked enamel

OPTICS

- Frosted, snap-on diffuser for aesthetically pleasing performance
- Three photometric distributions: Medium, Narrow and Aisle/Stack

ELECTRICAL

- Long-life LEDs are rated for 60,000 hours at L80 lumen maintenance

CONTROLS

- DLC 5.1 LLC: Integrated/embedded networked lighting controls, luminaire-level lighting control (LLLC)

CERTIFICATIONS

- Built to UL 1598 and 2108 standards and bear appropriate cCSAus labels
- Damp Location labeling is standard
- CSA certified to UL 924 standards with battery pack or DTS (Dimming Bypass Module) options
- Adheres to LM79, LM80, and TM21 industry standards
- DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

CERTIFICATIONS (CONTINUED)

- NX is available in U.S., Canada and Mexico. For other locations consult factory
- The DTS, Dimming Bypass Module, is for emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. See page 6 for wiring diagram.
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 06/01/2020.

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	3949–24,190
Wattage Range	33–94
Efficacy Range (LPW)	114–120
Rated Life (Hours)	L80/60,000

ORDERING GUIDE

Example: RLB4-35LV-FAN-EDU

CATALOG #

RLB			FA		
Model ¹	Size		Shielding	Distribution	Uplight (Nominal Lumens) ^{4,5,6}
RLB Reverie™ Decorative Low Bay	4' 4'	Blank >80	FA Frosted Acrylic	M Medium N Narrow A Aisle/Stack	Blank No Uplight
	8' 8'	9 >90			U1 1000
		40 4000K			U2 2000
		50 5000K			U3 3000
		2750T 2700K-5000K SpectraSync™ Tunable White ²			U4 4000
		2765T 2700K-6500K SpectraSync™ Tunable White ²			
		LL 4' (3949) 8' (7898)			
		LLHE 4' (4057) 8' (8114)			
		LM 4' (5688) 8' (11,376)			
		LMHE 4' (5888) 8' (11,776)			
		LH 4' (7530) 8' (15,060)			
		LHHE 4' (7828) 8' (15,656)			
		LV 4' (9507) 8' (19,014)			
		LVHE 4' (9705) 8' (19,410)			
		LX 4' (11,357) 8' (22,714)			
		LXHE 4' (11,644) 8' (23,288)			

Driver		Voltage	Options	Control Options ²¹
E	Fixed Output	U 120-277V	ELL14 Emergency Battery Pack, 1400 Lumens ¹⁰	<u>NX Connect Wireless</u>
ED	0-10V Dimming	347 347V	GTD Generator Transfer Device ¹¹	NXCS NX Connect NXC-WIZ20 Wireless Indoor Occupancy & Photocell Sensor ^{22, 23, 24, 25}
ED1	0-10V 1% Dimming	480 480V ⁹	DTS Dimming Bypass Module ¹²	<u>NX Networked – Wired</u>
EDD	0-10V Dim-to-Off ⁷		ATSD Auxiliary Transfer Switch ¹¹	NXE NX Wired Dual RJ45 SmartPORTS , without Sensor
ESD	Step Dimming ⁸		GLR Fast Blow Fuse	NXEOM NX Wired Dual RJ45 SmartPORTS and Integral NXSMP2-OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming
DALIP	Powered by DALI (for use with NXCS sensor only)		C6TL15 6' - Cord and Twist -Lock Plug 15 A (Add Voltage 1=120-, 2=277)	<u>NX Networked – Wireless</u>
			C6TL20 6' - Cord and Twist -Lock Plug 20 A (Add Voltage 1=120-, 2=277)	NXW NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor
			C6P151 6' - Cord and Straight Blade Plug 15 A (Voltage = 120)	NXWOM NX Networked Wireless Enabled Integral NXSMP2- OMNI PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming
			EOR End of Row ^{13, 14, 15, 16}	
			INT Intermediate ^{13, 14, 15, 16, 17}	
			LBC LED Branch Circuit Wiring	
			SSP10 10kVA Surge Suppression Protection	
			MST MASTER fixture that controls one or more SATELLITE fixtures in a continuous row application ^{13, 14, 15, 19, 20}	
			SAT SATELLITE fixture controlled by MASTER fixture in a continuous row application ^{13, 14, 15, 19, 20}	

Accessories

- | | | |
|--------------------------|---------------------|--|
| <input type="checkbox"/> | RLBWG4 | 4' Wire Guard |
| <input type="checkbox"/> | S18 | 18" Stem, Canopy |
| <input type="checkbox"/> | SS18 | 18" Swivel Stem-45° Swivel |
| <input type="checkbox"/> | CM24SCF3-KIT | 24" Adjustable Cable Mounting Kit, 3-wire feed |
| <input type="checkbox"/> | CM48SCF3-KIT | 48" Adjustable Cable Mounting Kit, 3-wire feed |

Notes:

- Through wiring is limited to maximum 25°C when surface mounted
- Not available with HE lumen outputs
- See Delivered Lumens section for additional lumen output information. High efficacy versions designated with "HE"
- Not available in surface mount
- Not available with 2750T or 2765T
- Nominal lumens listed are per 4'. See additional detail on page 3 for further uplight detail
- Not available with uplight
- Not available on LV, LVHE, LX or LXHE lumen outputs
- Contact local your Lighting representative for compatibilities
- LX, LXHE limited to 25°C. LV, LVHE limited to 30°C
- GTD and ATSD available for universal voltage and fixed output driver options only

- For emergency circuit control loads including sensors and wireless systems CSA certified to UL 924. Only available with 0-10V drivers. Universal voltage only. See page 6 for wiring diagram
- Not available with DTS, GTD, or ATSD
- All fixtures in a row must be the same driver type and voltage
- Includes quick-connect wiring harness
- A row-connector kit will be included with each fixture when EOR or INT is selected
- Suspension support required at every fixture coupling; see Mounting Accessories Guide
- MST option not available with INT row position
- Multiple SAT fixtures can be controlled by one MST fixture. Any one SAT fixture can have no more than one connected MST fixture
- NX is supported for this application; consult brand for use with other controls systems
- NX In-Fixture Control Options:**
- Only available with ED and ED1 drivers. Universal voltage only
- NX Connect Wireless**
- Not available with 347V or 480V
- NX Connect devices can be configured using the NX Connect Mobile App, available on Apple App Store
- NX Connect devices are not compatible with NX Wireless and NX Wired Options
- Only available with DALIP driver option

CONTROLS**NX Lighting Controls:**

Supports both indoor and outdoor applications in a variety of deployment options- wired, wireless, hybrid.
Integrates with and enables a wide array of luminaires including those with SpectraSync Color Tuning Technology.



NX INTEGRATED CONTROLS REFERENCE								
NX Option	Sensor	Networkable	Scheduling	Occupancy	Daylight Harvesting	0–10V Dimming	On/off Control	Bluetooth® App Programming
<u>NX Standalone</u>								
NXOS	NXSMP-OMNI	No	Yes	Yes	Yes	Yes	Yes	Yes
NXSPH	NXSMP-HMO	No	Yes	Yes	Yes	Yes	Yes	Yes
<u>NX Networked – Wired</u>								
NXE	N/A	Yes	Yes	No	No	Yes	Yes	Requires a NXBTC ¹
NXEOM	NXSMP2-OMNI-XX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXEHM	NXSMP2-HMO-XX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<u>NX Networked – Wireless</u>								
NXOWM	NXSMP2-OMNI-XX	Yes	Yes	Yes	Yes	Yes	No	Yes
NXWLM	NXSMP2-LMO-XX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXW ²	N/A	Yes	Yes	No	No	Yes	Yes	Yes
<u>NX Networked – Wired/Wireless Hybrid</u>								
NXSWD	NXSMP-SMI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NXWD	N/A	Yes	Yes	No	No	Yes	Yes	Requires a NXBTC ^{1,2}

1 NXBTC needs to be plugged into an available NX SmartPORT™ on the fixture network

2 To program NXW option, need to consult factory. If connected to an area controller, programming can be done from that

SpectraSync™ Color Tuning Technology:

Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with distinct SpectraSync™ Color Tuning Technologies.



SPECTRASYNCH COLOR TUNING TECHNOLOGY		
Mode	Kelvin Range	Description
Tunable White	2700K-5000K 2700K-6500K	Offers users the ability to tailor CCT to their personal preference, enhancing task visibility, material and colors or the aesthetics of the space

DELIVERED LUMENS – UPLIGHT

Uplight Option	RLB 4'		RLB 8'	
	Delivered Lumens	Watts	Delivered Lumens	Watts
U1	1000	10	2000	20
U2	2000	20	4000	40
U3	3000	30	6000	60
U4	4000	40	8000	80

RLB Uplight offering includes 4 options: 1000, 2000, 3000, and 4000 lumens per 4'.

1 LED uplight board is supplied per 1000 lumens.

Example: if U4 is ordered on an 8' fixture, 4 boards would be provided per 4', so the total number of uplight boards is 8.

For further clarification or questions, please contact factory.

DELIVERED LUMENS

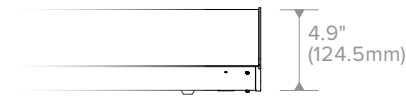
Medium distribution results shown below.

Catalog #	COLOR TEMP	DELIVERED LUMENS	WATTS	LPW
RLB4-LL-FAM-EDU	3000K	3949	32.8	120
	3500K	4020	32.8	120
	4000K	4071	32.8	120
	5000K	4206	32.8	120
RLB4-LM-FAM-EDU	3000K	5688	51	112
	3500K	5790	51	112
	4000K	5864	51	112
	5000K	6058	51	112
RLB4-LH-FAM-EDU	3000K	7530	63.3	119
	3500K	7666	63.3	119
	4000K	7763	63.3	119
	5000K	8019	63.3	119
RLB4-LV-FAM-EDU	3000K	9507	83.4	114
	3500K	9678	83.4	114
	4000K	9802	83.4	114
	5000K	10125	83.4	114
RLB4-LX-FAM-EDU	3000K	11357	94.4	120
	3500K	11561	94.4	120
	4000K	11709	94.4	120
	5000K	12095	94.4	120
RLB8-LL-FAM-EDU	3000K	7898	65.6	120
	3500K	8040	65.6	120
	4000K	8143	65.6	120
	5000K	8411	65.6	120
RLB8-LM-FAM-EDU	3000K	11376	102.4	112
	3500K	11581	102.4	112
	4000K	11729	102.4	112
	5000K	12115	102.4	112
RLB8-LH-FAM-EDU	3000K	15060	126.4	119
	3500K	15331	126.4	119
	4000K	15527	126.4	119
	5000K	16039	126.4	119
RLB8-LV-FAM-EDU	3000K	19014	165.2	114
	3500K	19356	165.2	114
	4000K	19603	165.2	114
	5000K	20250	165.2	114
RLB8-LX-FAM-EDU	3000K	22714	188.8	120
	3500K	23123	188.8	120
	4000K	23418	188.8	120
	5000K	24190	188.8	120

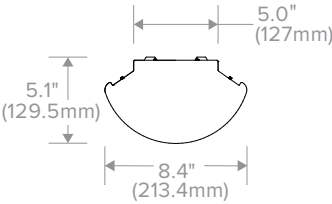
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

FIXTURE HEIGHT (ALL SIZES)

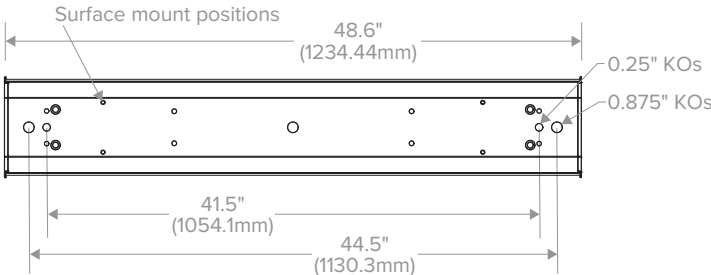


END VIEW (ALL SIZES)

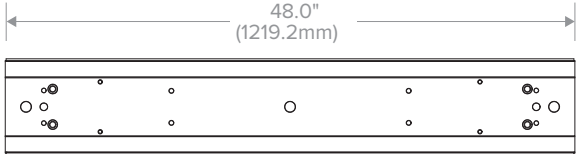


- KOs (ALL SIZES)**
- 0.25" (1/4") KOs are for CM (Cable Mount) Kits
 - 0.875" (7/8") KOs are for wiring and stem mounting

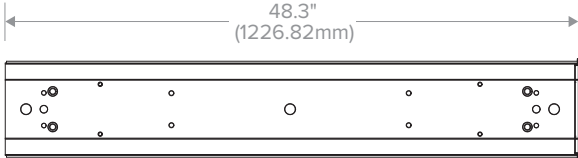
4' SINGLE ASSEMBLY



4' INTERMEDIATE ASSEMBLY



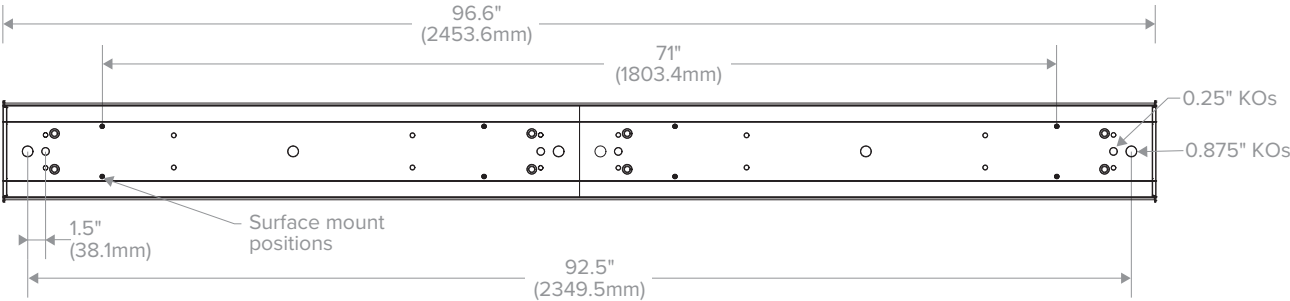
4' END OF ROW ASSEMBLY



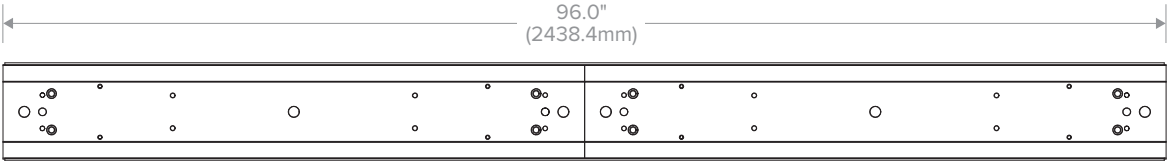
DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS, CONTINUED

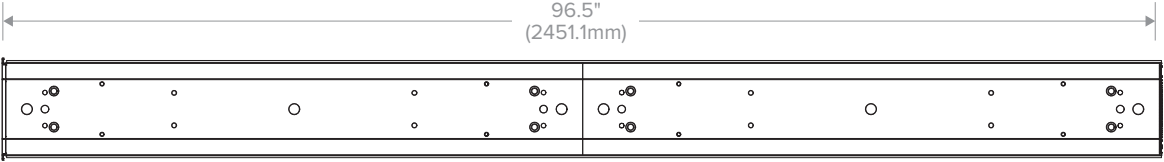
8' SINGLE ASSEMBLY



8' INTERMEDIATE ASSEMBLY

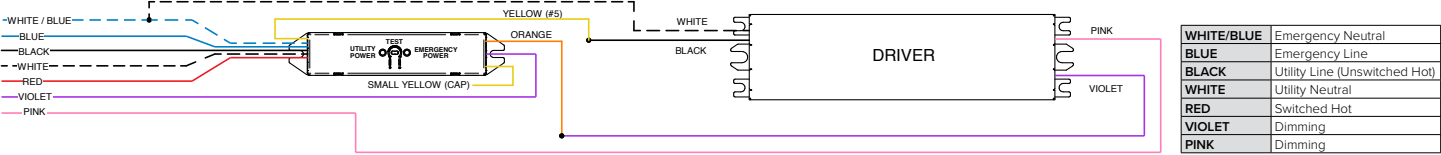


8' END OF ROW ASSEMBLY



ADDITIONAL INFORMATION

DTS WIRING DIAGRAM (0-10V DIMMING DRIVER SHOWN)



PHOTOMETRY

RLB4-30LM-FAM-EDU

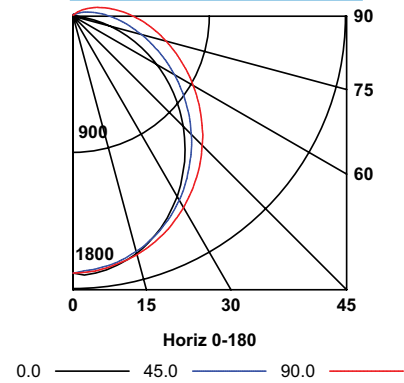
LUMINAIRE DATA

Test No.	18.01764
Description	Reverie LED Low Bay, Surface Linear 8" x 48" LED with frosted acrylic medium distribution lens
Delivered Lumens	5688
Watts	51.00
Efficacy	112
Mounting	Pendant
Spacing Criterion	0° = 1.21 90° = 1.28

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	1305	22.9
0-40	2129	37.4
0-60	3782	66.5
0-90	5244	92.2
0-180	5688	100

POLAR GRAPH



RLB4-30LH-FAN-EDU

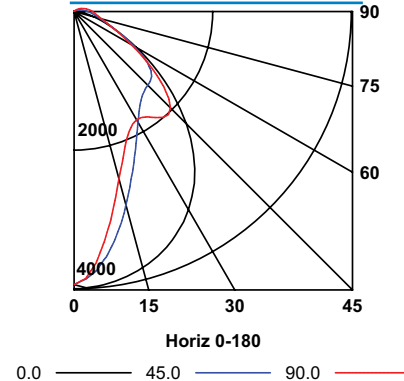
LUMINAIRE DATA

Test No.	19.00082
Description	Reverie Lowbay Linear Ambient High Lumen Output w/ 25-pct Frosted Acrylic, Narrow Distribution Refractor
Delivered Lumens	7701
Watts	63.2
Efficacy	112
Mounting	Pendant
Spacing Criterion	0° = 1.24 90° = 0.64

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	2300	29.9
0-40	3544	46
0-60	5995	77.8
0-90	7341	95.3
0-180	7701	100

POLAR GRAPH



RLB4-30LXHE-FAN-EDU

LUMINAIRE DATA

Test No.	RLB4-30LXHE-FAN-EDU
Description	Reverie LED Low Bay, Surface Linear 8" x 48" LED with frosted acrylic narrow lens
Delivered Lumens	11,966
Watts	94.00
Efficacy	127
Mounting	Surface
Spacing Criterion	0° = 1.24 90° = 0.65

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-30	3561	29.8
0-40	5495	45.9
0-60	9304	77.7
0-90	11408	95.3
0-180	11966	100

POLAR GRAPH

