

Visual Simulations of Facility Shepherd's Run Solar Project Town of Copake, NY

Substation - Conceptual Render







0.2 fc		
—	Title	
ENERGY BIA COUNTY 1 LLC	PHOTOMETRIC PLAN	
C SHEPHERD'S RUN SOLAR FARM	(SHEET 1 OF 1)	
IY	Project No. Scale 198803637 1'' = 20'	
	Drawing No. Sheet	Revision
OMETRIC PLAN.dwgAPTWAP23.06.05Dwn.Chkd.Dsgn.YY.MM.DD	APP. 8-5A 1 of 1	0

PROVIDED SHOULD AN EMERGENCY REQUIRE NIGHTTIME WORK. 6. INNER PHOTOMETRIC TEMPLATE = 1.0 fc, OUTER PHOTOMETRIC

5. TEMPORARY PORTABLE MAINTENANCE LIGHTING SHALL BE

4. THE MINIMUM LIGHTING REQUIRED FOR SITE SECURITY IS SHOWN AND COMPLIES WITH THE TOWN OF COPAKE AND 94-C LIGHTING

3. ALL LUMINAIRES TO BE DARK-SKY COMPLIANT, FULL CUT-OFF AND SHIELDED. POLE MOUNTED LUMINAIRE TO HAVE HOUSE SIDE

1. SYMBOLS FOR LUMINAIRES ARE NOT TO SCALE. 2. LUMINAIRE TO BE MANUFACTURER AND CATALOG NUMBER OR

HORIZONTAL PHOTOMETRIC STATISTICS MIN. AVG/MIN AVG. MAX. CONTROL STRUCTURE ACCESS ZONE 3.46 11.00 0.65 5.3 ACCESS GATE ZONE 0.26 3.5:1 0.90 2.44 PROPERTY LINE 0.00 0.00 N/A 0.00

ACTURER	DESCRIPTION	CATALOG NUMBER	MOUNTING TYPE	MOUNTING HEIGHT
OPER HTING	OUTDOOR 74W 3000K LED AREA LIGHT TYPE T4W W/ HOUSE SIDE SHIELD	USSL-PA1B-730 -U-T4W-HSS	POLE	18'
RAB HTING	OUTDOOR 18W 3000K LED WALL PACK LUMINAIRE	SLIM-18-Y	WALL	10'



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M By		LIPDATED PRO JECT CAPACITY	BEY	CAL	24.03.08
27 P	B	APPENDIX 5-4. COLLECTOR SUBSTATION CONCEPTUAL DESIGN	CDI	CAL	21.12.02
80		CONCEPT DESIGN	CDI	CAL	21.10.08
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SCALE: 1"=40'-0"



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File Name: E-201

DATE

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AYDOWN AREA	
	CONCEPTUAL DESIGN
- Inergy A County 1 LLC C Shepherd's Run Solar Facility	Title CONCEPTUAL - COLLECTOR SUBSTATION SUBSTATION OVFRALL
	Project No. Scale

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					Drawing No.	Sheet
	CDI Dwn.	CAL Chkd.	CAL Dsgn.	21.04.01 YY.MM.DD	E-201	

AS NOTED Revision С 3 of 8



		20'-0" 40'-0" SCALE: 1"=20'_XREF			DESIGN	
VID D. FACCAS ork licensed professional engineer	Consultants	Stantec	Client/Project HECATE ENERGY COLUMBIA COUNTY 1 LLC 42MW AC SHEPHERD'S RUN SOLAR FACILITY	Title CONCEPT SUBSTATIC	- UAL - COLLECTOR N SWITCH AND BL	substation Js plan
RK LICENSE #099448 DATE		 1599 RT 34 Suite 3 Wall Township, NJ www.stantec.com The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden. 	File Name: E-202 CDI CAL CAL 20.10.05 Dwn. Chkd. Dsgn. YY.MM.DD	Project No. 198803637 Drawing No. E-202	Scale AS NOTED Sheet 4 of 8	Revision E



TO SHEPHERD'S RUN

SOLAR FACILITY





	D	UPDATED PROJECT CAPACITY	BEY	CAL	24.03.08
	С	REMOVED BUBBLED LIGHTS IN THE SUBSTATION	JPT	CAL	23.06.13
	В	APPENDIX 5-4. COLLECTOR SUBSTATION CONCEPTUAL DESIGN	CDI	CAL	21.12.02
	А	CONCEPT DESIGN	CDI	CAL	21.10.08
-	Issi	ued	Ву	Appd.	YY.MM.DD





					Hecate Energy
С	UPDATED PROJECT CAPACITY	BEY	CAL	24.03.08	
В	APPENDIX 5-4. COLLECTOR SUBSTATION CONCEPTUAL DESIGN	CDI	CAL	21.12.02	
A	CONCEPT DESIGN	CDI	CAL	21.10.08	
lss	ued	Ву	Appd.	YY.MM.DD	

COLLECTOR SUBSTATION MAJOR EQUIPMENT DESCRIPTIONS (NOTES 1 & 2)						
EQUIPMENT	LOCATION	DESCRIPTION				
TRANSMISSION DEADENDS	SUBSTATION	GALVANIZED STEEL, UNPAINTED OR GRAY WITH POLYMER OR PORCELAIN INSULATORS				
BUS INSULATOR SUPPORTS	SUBSTATION	PORCELAIN OR POLYMER, GRAY OR WHITE				
TRANSMISSION LINE/JUMPERS TO EQUIPMENT	SUBSTATION, DROP FROM TRANSMISSION POLE LINE	ALUMINUM				
115 kV CIRCUIT BREAKER	SUBSTATION	UNPAINTED CAST ALUMINUM WITH WHITE OR GRAY PORCELAIN OR GRAY POLYMER BUSHINGS				
115 kV DISCONNECT SWITCHES	SUBSTATION	STEEL OR ALUMINUM WITH WHITE OR GRAY PORCELAIN OR POLYMER BUSHINGS				
115 kV CAPACITOR VOLTAGE TRANSFORMER	SUBSTATION	STEEL OR ALUMINUM CASING WITH WHITE OR GRAY PORCELAIN OR GRAY POLYMER BUSHINGS				
115/34.5 kV TRANSFORMER	SUBSTATION	GRAY STEEL TANK WITH GRAY OR WHITE PORCELAIN OR GRAY POLYMER BUSHINGS				
34.5 kV CAPACITOR VOLTAGE TRANSFORMER	SUBSTATION	GRAY OR UNPAINTED STEEL WITH GRAY OR WHITE PORCELAIN OR GRAY POLYMER BUSHINGS				
34.5 kV DISCONNECT SWITCHES	SUBSTATION	UNPAINTED ALUMINUM OR STEEL WITH WHITE OR GRAY PORCELAIN OR GRAY POLYMER BUSHINGS				
34.5 kV CAPACITOR BANKS	SUBSTATION	UNPAINTED OR GRAY STEEL WITH WHITE OR GRAY PORCELAIN OR GRAY POLYMER BUSHINGS				
34.5 kV CIRCUIT BREAKERS	SUBSTATION	GRAY STEEL TANK WITH GRAY OR WHITE PORCELAIN OR GRAY POLYMER BUSHINGS				
RIGID 115 & 34.5 kV BUS	SUBSTATIONS	ALUMINUM PIPE, UNPAINTED				
BUS/EQUIPMENT SUPPORTS	SUBSTATION	UNPAINTED GALVANIZED STEEL OR GRAY STEEL				
CONTROL ENCLOSURE	SUBSTATION	GRAY CONCRETE BLOCK WITH GRAY OR GREEN STEEL DOORS AND METAL ROOF				
FENCING	SUBSTATION PERIMETER	STEEL CHAIN LINK FENCE WITH BARBED WIRE				
SURFACE	SUBSTATION	ROADS ARE ASPHALT. AREAS WITHOUT ROADS ARE GRAVEL/ROCK				
CABLE TRENCH	SUBSTATION	CONCRETE OR UNPAINTED STEEL COVER, GRAY				



Title CONCEPTUAL - COLLECTOR SUBSTATION COLUMBIA COUNTY 1 LLC 42MW AC SHEPHERD'S RUN SOLAR FACILITY SUBSTATION BILL OF MATERIALS Project No. Scale NONE 198803637 Sheet Drawing No. Revision CDICALCAL21.10.01Dwn.Chkd.Dsgn.YY.MM.DD E-205 С 7 of 8

NOTES

- 1. THIS INFORMATION ON THIS LIST IS BASED ON TYPICAL MATERIAL, FINISHES AND PAINT FOR THE EQUIPMENT LISTED.

- 2. THE DESCRIPTION OF THE MATERIAL AS LISTED HERE MAY CHANGE DURING THE DETAILED DESIGN STAGE DEPENDING ON THE SPECIFIC REQUIREMENTS FOR THE PROJECT, AVAILABLE OPTIONS FOR COLORING AND MATERIALS, AND THE VENDORS SELECTED FOR THIS EQUIPMENT.

CONCEPTUAL

DESIGN





	0 2'-0" 4'-0 SCALE: $1/2" = 1'-0"$)"	
VID D. FACCAS RK LICENSED PROFESSIONAL ENGINEER	Consultants	Stantec	Client/Project HECATE COLUME 42MW A
		1599 RT 34 Suite 3 Wall Township, NJ www.stantec.com The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Convrights to all designs and drawings are the property of Stantec. Perceduction	COPAKE, N
CK LICENSE #099448 DATE		or use for any purpose other than that authorized by Stantec is forbidden.	

 $\begin{pmatrix} C-C \\ E-206 \end{pmatrix}$ ELEVATION - CONTROL ENCLOSURE E-206 SCALE: $\frac{1}{2}$ "=1'-0'

NOTE

1. EQUIPMENT SHOWN IS BASED ON EQUIPMENT USED FOR SIMILAR PROJECTS. DESIGN AND ACTUAL DIMENSIONS FOR THE EQUIPMENT MAY BE DIFFERENT.







HLF1 High Lumen LED Floodlight



Specifications







Catalog Number
Notes
Туре

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The HLF LED Flood family offers maximum versatility for high output floodlighting design and renovation applications. HLF precision optics offer vast design capabilities while delivering significant energy savings and long life. The HLF1 delivers 25,000 to 50,000 lumens allowing it to replace 400W and 1000W HID floodlights.

The HLF features an adjustable integral slipfitter that allows the luminaire to be mounted on a 2-3/8" OD tenon. Integral cover/wire box serves as an approved splice compartment allowing for fast, easy mounting and wiring without opening the electrical compartment. A steel yoke mount with water-tight SO cord is also available. All configurations are made in North America allowing for quick delivery.

Ordering Information

EXAMPLE: HLF1 LED P5 40K WFL MVOLT IS DDBXD

HLF1 LED					
Series	Performance package	Color temperature	Distribution	Voltage	Mounting
HLF1 LED	P1 P2 P3 P4 P5	30K 3000 K 40K 4000 K 50K 5000 K	WFL Wide flood (7x7) MFL Medium flood (6x6) MNFL Medium narrow flood (68°) NFL Narrow flood (43°) SP Spot (29°) NSP Narrow spot (18°)	MVOLT ¹ 120 ² 208 ² 240 ² 277 ² 347 ² 480 ²	Shipped included IS Integral slipfitter (fits 2-3/8" 0.D. tenon) YKC64 Yoke with 4ft, 16-3 SO cord

Options					Finish (required)			
Shipp PER7 SF DF	ed installed Seven-wire receptacle only (controls ordered separate) ^{3,4} Single fuse (120, 277, 347V) ² Double fuse (208, 240, 480V) ²	Shippe UBV FV WG VG	Shipped Separately (requires some field assembly) ⁶ UBV Upper/bottom visor (universal) FV Full visor WG Wire guard VG Vandal guard (polycarboente)		Dark bronze Black Natural aluminum White			
DMG	0–10V lead wires extended (no controls) ⁵							



Ordering Information

Accessories

FTS CG6 (FINISH) U	Slipfitter for 2-3/8" to 2-7/8" OD tenons; mates with yoke mount (specify finish)
HLF1WG (FINISH) U	HLF1 wire guard (specificy finish) ⁶
HLF1FV (FINISH) U	HLF1 full visor (specificy finish) ⁶
HLF1UBV (FINISH) U	HLF1 upper/bottom visor (specificy finish) ⁶
HLF1VG (FINISH) U	HLF1 vandal guard (clear polycarbonate, specifiy finish for mounting brackets) 6
DSHORT SBK U	Shorting cap 7
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) 7
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) 7
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) 7

NOTES

- 1. MVOLT driver operates on any line voltage from 120-277V.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- 3. For units with a photocontrol receptacle, the mounting must be restricted to $\pm\,45^\circ$ from horizontal aim per ANSI C136.10-2010.
- Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire.
- 5. Not available with option PER7.
- Can be ordered separately as an accessory. Requires in-field assembly. Guards and visors limited to one accessory type installed on lens frame at any given time.
- 7. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Accessories

Mountings/External Shields/Accessories

Mountings





IS - Adjustable Slipfitter (fits 2-3/8" O.D. tenon)

YKC64 - Yoke with 16-3 SO cord, 4ft





UBV Visor

Top Mounted



UBV Visor

Bottom Mounted

Optics





VG- Vandal Guard

Accessories/Optics

Accessories



WG - Wire Guard

Yoke with FTS CG6 (Yoke tenon adapter)

Accessory



Internal Reflectors (WFL, MFL)



Hybrid silicone optics (MNFL, NFL, SP, NSP)

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40 $^{\circ}\text{C}$ (32-104 $^{\circ}\text{F}).$

Ambient Te	emperature	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Electrical Load

		Current (A)					
Peformance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	163	1.36	0.79	0.68	0.59	0.47	0.34
P2	203	1.69	0.98	0.85	0.73	0.58	0.42
P3	289	2.41	1.39	1.20	1.04	0.83	0.60
P4	342	2.86	1.65	1.43	1.24	0.99	0.71
P5	368	3.06	1.77	1.53	1.33	1.06	0.77



Data references the extrapolated performance projections for the platforms noted in a 25°C ambient and hours of LED testing (tested per IESNA LM-80-08 and reported per IESNA M-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the luminaire performance package below. For other lumen maintenance values, contact factory.

Optic Type	Performance Package	TM-21 Percent Lumen Maintenance at 60,000 hrs
	P1 / P2	90%
WFL, MFL	P3	88%
	P4 / P5	86%
	P1	89%
MNFL, NFL, SP, NSP	P2	88%
	P3	85%

EPA Table

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

accessories are not i	
Tilt	EPA (ft ²)
0°	2.4
15°	2.5
30°	2.8
45°	3.5
60°	3.6
90°	3.6



COMMERCIAL OUTDOOR





Lumen Output Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within allowed tolerances. Contact factory for performance data on any configurations not shown here.

Performance	System Watts	Distribution Type	NEMA Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
Package				°H	°۷	°H	°۷	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd
		WFL	7 X 7	145	135	106	105	23,431	143	9,010	23,867	146	9,178	24,300	149	9,345
		MFL	6 X 6	116	124	95	100	24,342	149	10,073	24,795	152	10,261	25,245	154	10,447
D1		MNFL	5 X 5	93	91	67	68	23,603	145	19,663	24,040	148	20,027	24,477	151	20,392
PI	105	NFL	4 X 4	65	61	43	37	24,022	148	47,978	24,467	151	48,867	24,912	153	49,756
		SP	4 X 4	49	47	29	28	23,769	146	85,251	24,210	149	86,830	24,650	152	88,410
		NSP	3 X 3	38	38	19	18	23,637	146	148,604	24,075	148	151,357	24,513	151	154,111
		WFL	7 X 7	145	135	106	105	28,300	139	10,883	28,827	142	11,086	29,350	145	11,287
	203	MFL	6 X 6	116	124	95	100	29,400	145	12,166	29,948	148	12,393	30,491	150	12,618
50		MNFL	5 X 5	93	91	67	68	28,317	140	23,591	28,842	143	24,028	29,366	145	24,465
F2		NFL	4 X 4	65	61	43	37	28,820	143	57,562	29,354	145	58,628	29,888	148	59,695
		SP	4 X 4	49	47	29	28	28,517	141	102,280	29,046	144	104,175	29,574	146	106,070
		NSP	3 X 3	38	38	19	18	28,359	140	178,287	28,884	143	181,591	29,410	145	184,894
	289	WFL	7 X 7	145	135	106	105	37,237	129	14,320	37,931	131	14,587	38,619	134	14,851
		MFL	6 X 6	116	124	95	100	38,685	134	16,009	39,406	137	16,307	40,121	139	16,603
D3		MNFL	5 X 5	93	91	67	68	37,172	129	30,968	37,861	131	31,542	38,550	134	32,115
r J		NFL	4 X 4	65	61	43	37	37,833	131	75,562	38,534	134	76,962	39,235	136	78,362
		SP	4 X 4	49	47	29	28	37,435	130	134,264	38,129	132	136,752	38,822	135	139,239
		NSP	3 X 3	38	38	19	18	37,227	129	234,040	37,917	132	238,377	38,606	134	242,713
D4	247	WFL	7 X 7	145	135	106	105	42,205	123	16,230	42,991	126	16,533	43,771	128	16,833
Г Ч	342	MFL	6 X 6	116	124	95	100	43,846	128	18,144	44,663	130	18,482	45,473	133	18,818
DC	260	WFL	7 X 7	145	135	106	105	48,285	131	18,569	49,185	134	18,914	50,077	136	19,258
C1	368	MFL	6 X 6	116	124	95	100	50,162	136	20,758	51,097	139	21,145	52,024	141	21,529



Dimensions

HLF1 with Adjustable Slipfitter (IS)



7/8" KO - fits 1/2" NPT water- tight fitting

Width: 24.5" (62.2 cm) Depth: 9.1" (23.1 cm) Height: 10.2" (25.9 cm) main body Overall: 18.1" (46.0 cm) with arm Weight: 53 lbs (24.0 kg)

HLF1 with Yoke (YKC64)



Note: Standard cord is 16-3 wire, 4 ft cord. Other lengths can be specified. Ex: YKC64

YK = Yoke Mount C6 = 16 gage, 3 wire cord 4 = 4 feet (5 = 5ft, 6 = 6ft, etc.)

Width: 26.8" (68.1 cm) Depth: 9.1" (23.1 cm) Height: 10.2" (25.9 cm) main body Overall: 19.3" (49.0 cm) with arm Weight: 60 lbs (27.2 kg)

Yoke (YK) Mounting Detail





Accessories including bullhorns, cross arms and other adapters are available on pages 5-7. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

FEATURES & SPECIFICATIONS

INTENDED USE

The contemporary design of the HLF LED High Lumen Floodlight embodies high performance LED technology with precision optics offering maximum versatility in designing for high output lighting applications. The HLF1 delivers 25,000 to 50,000 lumens. It is ideal for commercial applications including new construction or replacing 400W to 1000W HID floodlights. HLF may be used for lighting large signage, monuments, large building facades large yards, recreational sports fields and many other commercial applications.

CONSTRUCTION

The HLF LED floodlight features rugged die-cast aluminum construction with integral heat sink fins that optimize thermal management through conductive and convective cooling. A die-cast isolated driver compartment protects LED drivers that are mounted in direct contact with the casting away from the LED heat source, to promote low operating temperature and long life. Integral adjustable slipfitter mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box for easy installation. The heat sink, housing, lens frame and driver compartment are sealed against moisture and environmental contaminants to IP66. HLF1 is 1.5G vibration rated per ANSI C136.31.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS

HLF features both specular aluminum and silicone based "hybrid" type optics that are engineered for superior field-to-beam ratios, uniformity, and spacing. Seven photometric distributions are available including wide pattern distributions Wide Flood, Medium Flood, and narrow pattern distributions Medium Narrow Flood, Narrow Flood, Spot and Narrow Spot. Optional visors minimize uplight and reduce light trespass.

ELECTRICAL

Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life. LED lumen maintenance is >L86/60,000 hours for WFL/MFL optics and >L85/60,000 hours for Hybrid optics. CCT's of 3000K, 4000K, and 5000K (minimum 70 CRI) are available. Class 1, continuous dimming 0-10V drivers. 90% and THD <20%. Serviceable 10kV surge protection device meets a minimum Category C low operation (per ANSI/ IEEE C62.41.2).

CONTROLS

HLF features an optional NEMA twist-lock 7-pin photocell receptacle that is compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Standard wiring will be per following: Wire 1/2/3 as normal (hot input, switch leg and neutral). Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire.

INSTALLATION

The die-cast integral "IS" mount features an adjustable slipfitter that mounts on a 2 3/8" OD tenon and features a 0° to185° full range tilt adjustment in 5° increments. The slipfitter has an integral junction box and offers easy installation, wiring and precision distribution pattern aiming. A steel yoke "YK" mount (die-formed 1/4" thick plate steel) is available and includes a water tight cord grip and cord. HLF features a glass lens enclosure that is protected to IP66 and is rated for lighting aimed up above 90°. Suitable for mounting within 4 feet of ground.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40 $^\circ\mathrm{C}$ minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC DLC qualified. Please check the DLC Qualified Products List at <u>www.designlights.org/QPL</u> to confirm which versions are qualified.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/termsand-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



SLIM26

RAB



12, 18 and 26 Watt SLIM wall packs are ultra efficient and deliver impressive light distribution with a compact low-profile design that's super easy to install as a downlight or uplight.

Color: Bronze

Weight: 4.5 lbs

Technical Specifications

Compliance

UL Listed:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

ADA Compliant:

SLIM[™] is ADA Compliant

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000171S

Construction

IP Rating:

Ingress protection rating of IP66 for dust and water

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Housing:

Precision die-cast aluminum housing

Mounting:

Heavy-duty mounting bracket with hinged housing for easy installation

Recommended Mounting Height:

Up to 22 ft

Lens:

Tempered glass lens

Reflector:

Constant Current

0.27A

0.17A

0.15A

0.13A

Input Watts 29.5W

Project:

Prepared By:

Driver Info Type

120V

208V

240V

277V

Specular thermoplastic

Gaskets:

High-temperature silicone

Finish:

Formulated for high durability and long-lasting color

Type:

Date:

LED Info

Color Temp

L70 Lifespan

Lumens

Efficacy

Color Accuracy 75 CRI

26W

3,523

5100K (Cool)

100,000 Hours

119.4 lm/W

Watts

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics

LED:

Multi-chip, long-life LED

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines for the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Performance

Lifespan:

Dimensions

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Other

Equivalency:

Equivalent to 150W Metal Halide

Patents:

The design of the SLIM[™] is protected by patents in U.S. Pat D681,864, and pending patents in Canada, China, Taiwan and Mexico.

HID Replacement Range:

Replaces 175W Metal Halide

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B1 U0 G0

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz., 6KV surge protection, 120V: 0.28A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A

THD:

7.5% at 120V, 17.7% at 277V

Power Factor:

99.1% at 120V, 90.3% at 277V

Features

Full cutoff, fully shielded LED wall pack

Can be used as a downlight or uplight

Contractor friendly features for easy installation

- 100,000-hour LED Life
- 5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver	Options
SLIM	26				
	12 = 12W 18 = 18W 26 = 26W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White	Blank = Standard (120-277V) /D10 = Dimmable	Blank = No Option /PC = 120V Button /PC2 = 277V Button /LC = Lightcloud® Controller

