

FEATURES & SPECIFICATIONS

INTENDED USE — For building- and wall-mounted applications.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing. Die-cast doorframe has impact-resistant, tempered glass lens. Doorframe is fully sealed with a closed-cell silicone gasket.

Finish: Standard finish is textured dark bronze (DDBT) polyester powder finish, with other architectural colors available.

OPTICS — Hydroformed reflector for superior uniformity and control. Vertical lamp orientation for improved lamp output and life.

ELECTRICAL — HID 70W-150W utilizes a high-reactance, high power factor ballast. 175W utilizes a constant-wattage autotransformer ballast. Super CWA Pulse Start ballasts, 88% efficient and EISA legislation compliant, are required for 151-200W (must order SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. 200M is only available with SCWA. HEB maximum wattage 100M. Quick-disconnect plugs easily disconnect reflector from ballast and fixture from supply wires. Ballasts are precision-wound and 100% factory tested. Ceramic metal halide lamps are recommended for use in applications where superior color rendition, lumen maintenance and longer lamp life are desired.

Socket: For HID porcelain, medium-base socket (G12 for 70MHCT6) with copper alloy, nickel-plated screw shell and center contact.

INSTALLATION — Universal mounting plate with integral mounting bolts supports the fixture for easy, one-person installation.

LISTINGS — CSA Certified to U.S. and Canadian standards. Down orientation only. NOM Certified (see Options). **IP65 rated.** HID-175W and below-listed to 40° C ambient. 200W listed to 25° C ambient. The ELED option is listed to 25° C ambient. ELED: U.S. Patent No. 7,737,640.

WARRANTY — 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomResources/Termsandconditions.aspx

Note: Specifications subject to change without notice.

Catalog Number
Notes
Type

Wall-Mounted Luminaire

TWF1

METAL HALIDE: 70M-200M
HIGH PRESSURE SODIUM: 70S-150S



Specifications

Width: 16 (40.6)

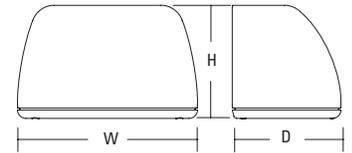
Height: 10 1/16 (25.6)

Depth: 9-5/8 (24.4)

*Weight: 24 lbs (10.9 kg)

All dimensions are inches (centimeters) unless otherwise indicated.

*Weight as configured in example below.



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: TWF1 100M TB LPI

Series	Wattage	Voltage	Ballast	Mounting	Options	Finish ¹⁶	Lamp ¹⁷
TWF1	Metal halide	120	(blank) Magnetic ballast	(blank) Surface mount	<u>Shipped installed in fixture</u>	(blank) Dark bronze, textured	LPI Lamp included
	70M	208 ²	CWI Constant wattage isolated	<u>Shipped separately</u> ⁷	SF Single fuse (120, 277, 347V, n/a TB)	DSST Sandstone, textured	L/LP Less lamp
	100M	240 ²	HEB Electronic ballast ⁵	BBW Surface mount ⁸	DF Double fuse (208, 240, 480V, n/a TB)	DNAT Natural aluminum, textured	
	150M	277	SCWA Super CWA pulse start ballast ⁶		QRSTD Quartz restrike with time delay ^{9,10}	DWHG White, textured	
	175M	347	Note: For shipments to U.S. territories, SCWA must be specified to comply with EISA.		QRS Quartz restrike system ^{9,10}	DBLB Black, textured	
	200M	480 ²			EC Emergency circuit ^{9,10}	CRT Non-stick protective coating (black only)	
	Ceramic metal halide ¹	23050Hz ²			ELED Emergency LED secondary source battery pack (-4° F min. operating temperature) ^{10,11,12}	<u>Super Durable Finishes</u>	
	70MHC				2ELED Emergency LED secondary source (two modules) battery pack (-4° F min. operating temperature) ^{10,11,12,13}	DDBXD Dark bronze	
	100MHC				DC12 Emergency circuit 12-volt (35W lamp included) ^{10,13}	DBLXD Black	
	150MHC				2DC12 Emergency circuit 12-volt (two 35W lamp included) ^{10,13}	DNAXD Natural aluminum	
	70MHCT6				DC2012 Emergency circuit 12-volt (20W lamp included) ^{10,13}	DWHXD White	
	High pressure sodium				2DC2012 Emergency circuit 12-volt (two 20W lamp included) ^{10,13,14}	DDBTXD Textured dark bronze	
	70S				PE Photoelectric cell-button type (n/a TB or 480V) ^{12,15}	DBLBXD Textured black	
	100S				CSA CSA certified	DNATXD Textured natural aluminum	
	150S				NOM NOM certified ⁴	DWHGXD Textured white	
					INTL International shipment for 175M		

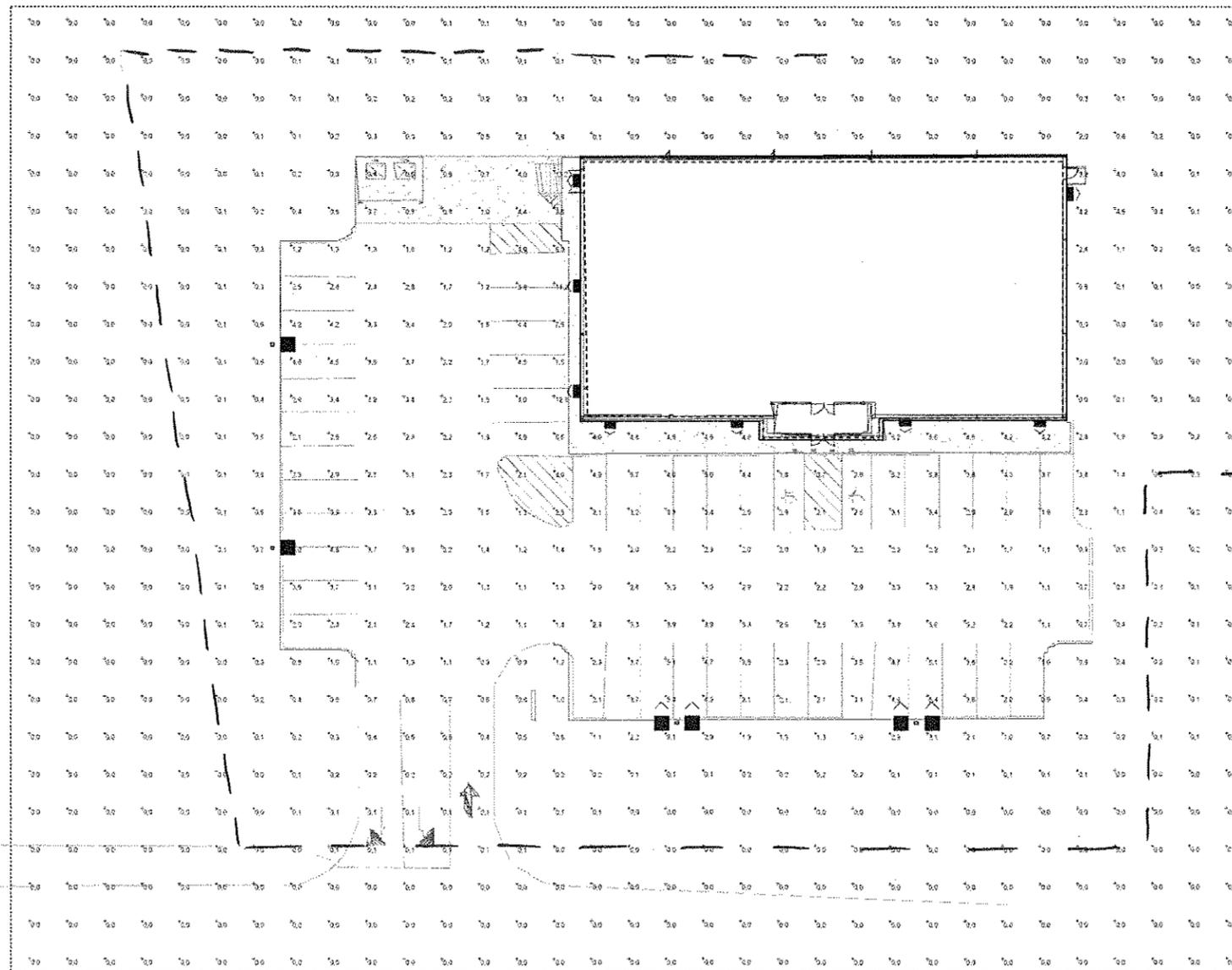
Notes

- Must be ordered with lamp included (LPI). 70MHCT6 requires HEB ballast option.
- Must specify CWI in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; 120, 277, 347V in Canada—ships as 120/347.
- Consult factory for availability.
- Available in 70W or 100W metal halide only. HEB voltage must be specified as MVOLT, 120, 208, 240 or 277 only.
- Not available with HPS, 70M or 100M.
- May be ordered as an accessory. Prefix with TWF1.
- Must specify finish when ordered as an accessory. Not available with ELED or 2ELED.
- Maximum allowable wattage lamp included.
- Cannot be ordered with any other emergency option.
- Maximum wattage 100M and 70S. Only available in 120V or 277V.
- Must specify voltage.
- Not available with SF or DF.
- Consult factory for maximum HID wattage available with this option.
- Must be ordered with fixture; cannot be field installed.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified.

Schedule						
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Wattage
	J70	1	Lithonia Lighting	TWF1 70HCT6	CONTOUR SERIES BUILDING MOUNTED WALLPACK WITH VERTICAL LAMP AND GLASS LENS	80
	J150	7	Lithonia Lighting	TWF1 150H	CONTOUR SERIES BUILDING MOUNTED WALLPACK WITH VERTICAL LAMP AND GLASS LENS	185
	P1400	2	Lithonia Lighting	KAD 400H SR4SC (PULSE START)	Area Luminaire, 400W MH, High Performance SR4SC Sharp Cutoff Reflector, Full Cutoff MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	455
	P2250	2	Lithonia Lighting	KAD 250H SR4SC (PULSE START)	Area Luminaire, 250W MH, High Performance SR4SC Sharp Cutoff Reflector, Full Cutoff MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA	576

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PARKING	+	1.0 fc	13.2 fc	0.0 fc	N/A	N/A

Power Statistics				
Description	# Luminaires	Total Watts	Area	Density
Power Density Zone	10	3069.0 W	85386.3 R ²	0.0 W/R ²



APPROX BOUNDARY LINE

Plan View
Scale - 1" = 20'

DOLLAR GENERAL
AUGUSTA, ME.

Designer
Needham Lighting &
Electrical Solutions

Date
01/08/2016
Scale
1" = 20'
Drawing No.

Summary

FEATURES & SPECIFICATIONS

INTENDED USE – Ideal for parking areas, street lighting, walkways and car lots.

CONSTRUCTION – Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone. Finish: Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.

OPTICS – Anodized, aluminum reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R55 (square) are interchangeable. High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR4SC (forward throw, sharp cutoff). High-performance reflectors attach with tool-less fasteners and are rotatable and interchangeable.

ELECTRICAL – Ballast: High pressure sodium: 70-150W is high reactance, high power factor. Constant wattage autotransformer for 200-400W. Metal halide: 70-150W is high reactance, high power factor and is standard with pulse-start ignitor technology. "SCWA" not required. Constant wattage autotransformer for 175-400W. Super CWA (pulse start ballast), 88% efficient and EISA legislation compliant, is required for metal halide 151-400W (SCWA option) for US shipments only. CSA, NOM or INTL required for probe start shipments outside of the US. Pulse-start ballast (SCWA) required for 200W, 320W, or 350W. Ballast is 100% factory-tested.

Socket: Porcelain, horizontally oriented medium base socket for 70-150M. Mogul base socket for 175M and above, and 70-400S, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

LISTINGS – UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.

WARRANTY – 1-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Specifications subject to change without notice.



Catalog Number
Notes
Type



Specifications

EPA: 1.2 ft.²

*Weight: 35.9 lbs (16.28 kg)

Length: 17-1/2" (44.5)

Width: 17-1/2" (44.5)

Depth: 7-1/8" (18.1)

All dimensions are inches (centimeters) unless otherwise specified.

*Weight as configured in example below.

CONTOUR
SERIES

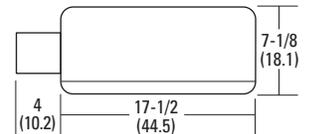
Soft Square Lighting

KAD

METAL HALIDE: 70-400W

HIGH PRESSURE SODIUM: 70-400W

20' TO 35' MOUNTING



ORDERING INFORMATION For shortest lead times, configure product using **bolded options**.

Example: KAD 400M R3 TB SCWA SPD04 LPI

KAD	Wattage			Distribution		Voltage	Ballast	Mounting ¹²	
KAD	Metal halide	High pressure sodium ¹	Ceramic metal halide	Standard reflectors	High performance reflectors ⁸	120	(blank) Magnetic ballast	Ships in fixture carton	
	70M ^{1,2} 250M⁵	70S	70MHC ^{1,2}	R2 IES type II asymmetric ⁷	SR2 IES type II asymmetric ⁷	208 ⁹	CWI Contant wattage isolated ¹¹	SPD__ Square pole	Arm length
	100M ¹ 320M ⁴	100S	100MHC ¹	R3 IES type III asymmetric ⁷	SR3 IES type III asymmetric ⁷	240 ⁹	Pulse Start	RPD__ Round pole	04 4" arm
	150M 350M ^{3,4}	150S	150MHC	R4 IES type IV forward throw ⁷	SR4 IES type IV forward throw ⁷	277	SCWA Super CWA pulse-start ballast	WBD__ Wall bracket	06 6" arm
	175M ³ 400M^{5,6}	250S		R55 IES type V square	SR4SC IES type IV forward throw	347	NOTE: For shipments to U.S. territories, SCWA must be specified to comply with EISA.	WWD__ Wood or pole wall	09 9" arm
	200M ⁴	400S				480 ⁹		Ships separately ^{13,14}	12 12" arm
						TB ¹⁰		DAD12P Degree arm (pole)	
						23050HZ ¹¹		DAD12WB Degree arm (wall)	
								WBA Decorative wall bracket ¹⁵	
								KMA Mast arm external fitter	
								KTMB Twin mounting bar	

Options	Finish ²⁰			Lamp ²¹
Shipped installed in fixture	(blank) Dark bronze	DNAXD Natural aluminum	LPI Lamp included	
SF Single fuse (120, 277, 347V) ¹⁶	DWH White	DWHXD White	L/LP Less lamp	
DF Double fuse (208, 240, 480V) ¹⁶	DBL Black	DBBTD Textured dark bronze		
PD Power tray ¹⁷	DMB Medium bronze	DBLBXD Textured black		
PER NEMA twist-lock receptacle only (no photocontrol)	DNA Natural aluminum	DNATXD Textured natural aluminum		
QRS Quartz restrrike system ¹⁸	<u>Super Durable Finishes</u>			
QRSTD QRS time delay ¹⁸	DDBXD Dark bronze	DWHGXD Textured white		
WTB Terminal wiring block ¹⁷	DBLXD Black			
CSA CSA Certified				
INTL Available MH for probe start shipping outside the U.S.				
REGC1 California Title 20, effective 1/1/2010				
Shipped separately ¹³				
HS House side shield				
PE1 NEMA twist-lock PE (120, 208, 240V)				
PE3 NEMA twist-lock PE (347V)				
PE4 NEMA twist-lock PE (480V)				
PE7 NEMA twist-lock PE (277V)				
SC Shorting cap for PER option				
VG Vandal guard ¹⁹				
WG Wire guard ¹⁹				

Accessories: Tenon Mounting Slipfitter (RPxx required.)
Order as separate catalog number. Must be used with pole mounting.

		Number of fixtures					
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°	
2-3/8"	T20-190	T20-280	T20-290 ²²	T20-320 ²²	T20-390 ²²	T20-490 ²²	
2-7/8"	T25-190	T25-280	T25-290 ²²	T25-320	T25-390 ²²	T25-490 ²²	
4	T35-190	T35-280	T35-290 ²²	T35-320	T35-390 ²²	T35-490 ²²	

Notes

- Not available with SCWA.
- Not available with 480V.
- These wattages do not comply with California Title 20 regulations.
- Must be ordered with SCWA.
- These wattages require the REGC1 option to be chosen for shipments into California for Title 20 compliance. 250M REGC1 in not available in 347 or 480V.
- Reduced jacket ED28 required for SR2, SR3 and SR4SC optics.
- House-side shield available.
- High performance reflectors not available with QRSTD.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).
- Consult factory for available wattages.
- 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- May be ordered as an accessory.
- Must specify finish when ordered as an accessory.
- Available with SPD04 and SPD09.
- Must specify voltage. N/A with TB.
- Only available with SR2, SR3 and SR4SC optics.
- Max allowable wattage lamp included.
- Prefix with KAD when ordered as an accessory.
- See www.lithonia.com/archcolors for additional color options.
- Must be specified. L/LP not available with MHC.
- Must use RPD09.