

Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

TT TopTier

Solar-Enabled Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

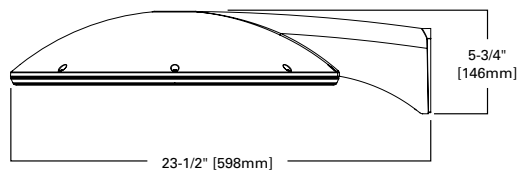
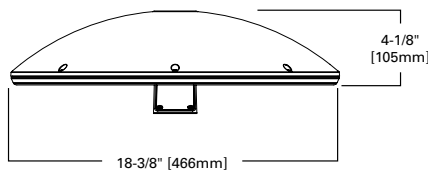
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Quick Facts

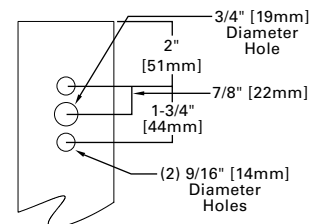
- Lumen packages range from 3,090 - 10,000
- Efficacies up to 147 lumens per watt
- Utilizes patented waveguide technology for maximum visual comfort

Dimensional Details

5CQ, 5MQ, 5WQ / RW (D1-D6) / T4 (D1-D5)



Type "N" Drilling Pattern



Dimension Data

Size	Width	Length (with arm)	Weight (lbs.)	EPA (sq. ft.)
D1-D5	18-3/8"	23-1/2"	20.5	0.66

NOTES:

1. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: TT-D5-740-24VDC-5WQ-PM-DP

Product Family	Lumen Package	Color Temperature	DC Solar Input Voltage	Distribution	Mounting	Color
TT =TopTier BAA-TT =TopTier, Buy American Act Compliant Product ^{2,6} TAA-TT =TopTier, Trade Agreements Act Compliant ^{2,6}	D1 =4,000 Nominal Lumens D2 =5,500 Nominal Lumens D3 =6,500 Nominal Lumens D4 =8,000 Nominal Lumens D5 =10,000 Nominal Lumens	735 =70 CRI, 3500K CCT 740 =70 CRI, 4000K CCT 750 =70 CRI, 5000K CCT 830 =80 CRI, 3000K CCT	12VDC=12V DC ⁵ 24VDC=24V DC	5CQ =Type 5, Concentrated 5MQ =Type 5, Medium 5WQ =Type 5, Wide RW =Rectangular Wide T4 =Type 4	PM =Pole Mount	NW =White AP =Gray BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic RALxxxx =RAL Specified Color
Options (Add as Suffix)				Accessories (Order Separately) ²		
CG =Clear Glass ³ SG =Solite® Glass ⁴ CC =Coastal Construction				MA1036-XX =Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX =2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX =3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX =4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX =2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX =3@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX =2@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX =Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX =2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX =3@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX =4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX =2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX =3@90° Tenon Adapter for 3-1/2" O.D. Tenon		

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- Not available with 5CQ.
- Standard with 5CQ, option available with 5WQ only.
- Available on D1, D2, and D5 lumen packages only.
- Extended lead times may occur.

Product Specifications

Construction

- Low profile, two-piece die-cast aluminum housing

Optics

- Five optical distributions; three symmetrical and two asymmetrical
- Patented visual comfort waveguide technology
- 5 lumen packages from 3,097 to 10,072
- IDA Certified for 3000K CCT and warmer only

Electrical

- D1-D5: -30°C - 40°C operating temperature
- Greater than 90% lumen maintenance expected at 50,000 hours; 70% lumen maintenance expected greater than 78,000 hours

- IP66 rated
- 1-10V dimming with Dim-to-Off at 0V standard.
- DC drivers feature greater than 0.9 power factor and less than 20% total harmonic distortion

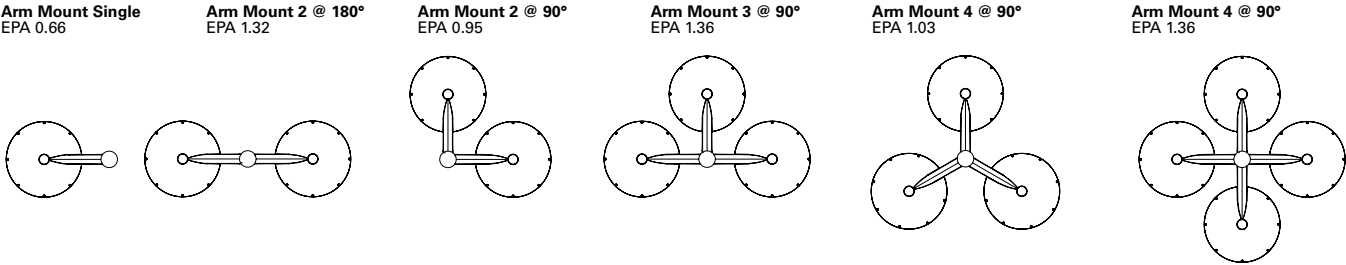
Finish

- 2.5 mil nominal TGIC powder coat thickness
- Finishes include white, black, bronze, gray, dark platinum and graphite metallic
- RAL and custom color matches available
- Coastal Construction (CC) available, providing 5,000 hour salt spray rating per ASTM B117 with a scribe rating of 9 per ASTM D1654

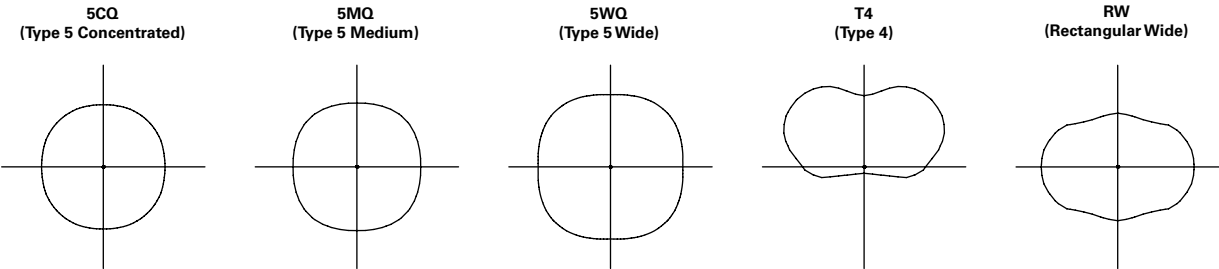
Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Mounting Configurations and EPAs



Optical Distributions



Energy and Performance Data

Lumen Maintenance

Ambient Temperature	25,000 hours	50,000 hours	60,000 hours	L70 (10,000)
25C	95%	91%	89%	>78,000 hrs
40C	94%	90%	89%	>78,000 hrs

ANSI/IES TM-21-21

Lumen Multiplier

Ambient Temperature	Multiplier
0°C	1.03
10C	1.02
25°C	1.00
40°C	0.98

 [View TopTier IES files](#)

Energy and Performance Data

Lumen Package *			D1	D2	D3	D4	D5
Power (Wattage)			28	38	46	57	73
3000K CCT 80 CRI	5CQ Concentrated	Lumens	3,409	4,640	5,595	6,660	8,383
		BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1
		Lumens per Watt	124	122	122	117	114
	5MQ Medium	Lumens	3,647	4,964	5,986	7,125	8,969
		BUG Rating	B2-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2
		Lumens per Watt	133	130	131	125	122
	5WQ Wide	Lumens	3,449	4,695	5,662	6,740	8,483
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G2
		Lumens per Watt	125	123	124	119	116
	RW Rectangular Wide	Lumens	2,757	3,753	4,526	5,387	6,781
		BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
		Lumens per Watt	100	99	99	95	93
	T4	Lumens	2,959	3,985	4,762	5,622	6,537
		BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B1-U0-G3
		Lumens per Watt	108	105	104	99	89
3500K CCT 70 CRI	5CQ Concentrated	Lumens	3,618	4,925	5,940	7,070	8,899
		BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1
		Lumens per Watt	132	129	130	124	121
	5MQ Medium	Lumens	3,872	5,270	6,355	7,564	9,520
		BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
		Lumens per Watt	141	138	139	133	130
	5WQ Wide	Lumens	3,662	4,984	6,011	7,154	9,005
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
		Lumens per Watt	133	131	131	126	123
	RW Rectangular Wide	Lumens	2,927	3,984	4,805	5,719	7,198
		BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
		Lumens per Watt	106	105	105	101	98
	T4	Lumens	3,141	4,230	5,055	5,968	7,938
		BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
		Lumens per Watt	114	111	110	105	108
4000K and 5000K CCT 70 CRI	5CQ Concentrated	Lumens	3,828	5,211	6,284	7,480	9,415
		BUG Rating	B1-U0-G1	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1
		Lumens per Watt	139	137	137	132	128
	5MQ Medium	Lumens	4,096	5,575	6,723	8,002	10,072
		BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
		Lumens per Watt	149	146	147	141	137
	5WQ Wide	Lumens	3,874	5,273	6,359	7,569	9,527
		BUG Rating	B2-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3
		Lumens per Watt	141	138	139	133	130
	RW Rectangular Wide	Lumens	3,097	4,215	5,083	6,050	7,615
		BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3
		Lumens per Watt	113	111	111	107	104
	T4	Lumens	3,323	4,475	5,348	6,314	7,938
		BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
		Lumens per Watt	121	117	117	111	108

NOTE: *Nominal data with 70 CRI for 4000K and 5000K, 80 CRI for 3000K. For configurations that include the glass or sensor options, refer to the specific IES files for BUG rating and lumen output data.

Input Current

Lumen Package	D1	D2	D3	D4	D5
Power (Wattage)	28	38	46	57	73
Input Current @12Vdc (A)	2.3	3.2	---	---	6.1
Input Current @24Vdc (A)	1.1	1.6	1.9	2.4	3.1