Metro LED Luminaire

FIXTURE TYPE: _____

PROJECT NAME: _____



SPECIFICATIONS:

CONSTRUCTION: Housing comprised of machined A319 aluminum casting. LED board protected with UV resistant molded PMMA optics and a silicone gasket.

ELECTRICAL: Powered by a remote Class P, 120-277VAC or 347-480VAC, 0-10V dimmable constant current driver. Luminaire is pre-wired with watertight 2 conductor 18 gauge SJEOOW whip. A 10kA surge suppression is standard with an optional 20kA surge suppressor. Operating temperature of -40°C to 50°C.

OPTICAL SYSTEM: LED boards have solderless connections for field upgradability. Available in CCT of 2700, 3000, 3500, and 4000K, >80 CRI. Optic available in Type II, IV, and V roadway distributions along with 20°, 60°, and 100° spot distributions. Consult factory for additional lumen output, CCT, and optical distribution options.

FINISHES: All exterior aluminum parts are polyester powder coat painted to meet AAMA-2604 standards. See Structura's finish options for available standard finishes. All hardware is 18-8 stainless steel with nickel plated brass cordgrip. Care and Maintenance

LISTINGS & RATINGS: Luminaire CSA listed according to CSA C22.2 No. 250.0-18/UL Standard 1598. Suitable for wet locations. LM-80 test reported L70 > 90,000 hours and calculated L70 > 110,000 hours.

WARRANTY: 5-year warranty on LED and drivers.



Metro mounted on Structura Bol pole.

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Output			Type II[1]		Type IV[1]		Type V[1]		20°[1]	60°[1]	100°[1]
Callout	mA	Wattage	Lumen	Efficacy	Lumen	Efficacy	Lumen	Efficacy	Lumen	Lumen	Lumen
S019	188	13	1151	85.9	1118	83.4	1215	90.7	1220	1230	1219
S038	375	23	2096	91.9	2031	89.1	2213	97.1	2210	2233	2215
S056	560	31	3042	99.7	2947	96.6	3211	105.3	3206	3239	3213
S075	750	40	3987	99.4	3863	96.3	4209	104.7	4203	4246	4212
D038	375	23	2096	91.9	2031	89.1	2213	97.1	2210	2233	2215
D075	750	40	3987	99.4	3863	96.3	4209	105.0	4203	4246	4212
D112	1120	57	6084	106.7	5895	103.7	6423	112.7	6414	6479	6428
D150	1500	76	7974	104.9	7726	101.7	8418	110.8	8406	8492	8424

ORDERING GUIDE: EXAMPLE: METRO-S038-L30-2-UNV-C5-FIX-20-STD

METRO									STD
1	2	3	4	5	6	7	8	9	10

1 Series

METRO	Metro

2 Output[2]

S019	Single 188mA
S038	Single 375mA
S056	Single 560mA
S075	Single 750mA
D038	Dual 375mA
D075	Dual 750mA
D112	Dual 1120mA
D150	Dual 1500mA

3 Color Temperature[3]

L27	2700K
L30	3000K
L35	3500K
L40	4000K
AMB	Wildlife amber[4]

4 Distribution[5]

2	Type II
4	Type IV
5	Type V
20	20° Spot
60	60° Spot
100	100° Spot

5 Voltage

UNV	120-277V
HIGH	347-480V

6 Metal Finish

C*	See color options on finishes technical sheet
CSM	Custom Color

7 Mounting

FIX	Fixed
ADJ	Adjustable
CAT/S	Catenary, Standalone
CAT/D	Catenary, Daisy Chain[6]
J/RND	Junction Box, Round[7]
J/RCT	Junction Box, Rectangular[7]

8 Wire Length

10	10'
**	Specify

9 Options

BABA	BABA
SS	20kA Surge Suppressor
HSS	House-Side Shield[8]

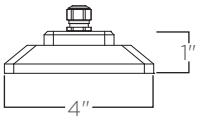
10 Special

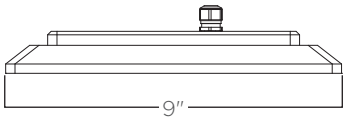
STD	Standard

1. Lumen output based upon 3000K color temperature.
2. Contact factory for alternative output options.
3. Contact factory for other alternative temperature options.
4. Wildlife amber option with dominant wavelength between 585-595nm.
5. Contact factory for alternative distribution options.
6. Daisy chain application with master and satellite control. Consult factory for application run distance.
7. Junction box mounting includes adjustable knuckle.
8. House-side sheild available for roadway distribution only.

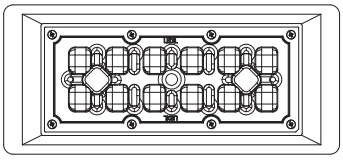
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Single Module (S***)

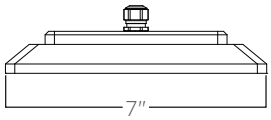


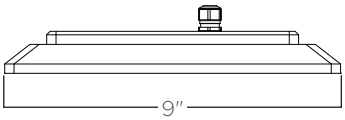


Weight: 2lbs
EPA:
Face = 0.35ft²
Side = 0.07ft²

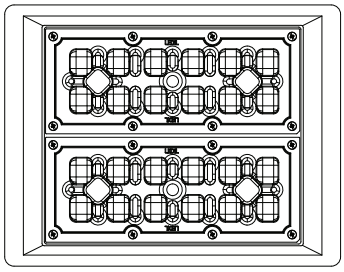


Dual Module (D***)

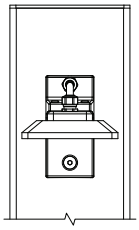


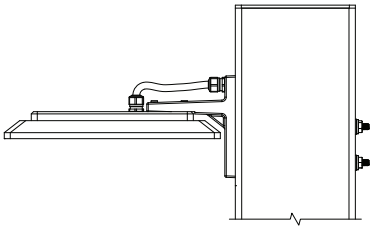


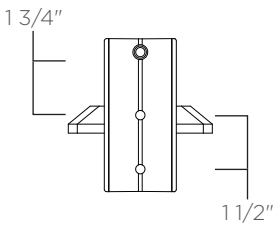
Weight: 4lbs
EPA:
Face = 0.61ft²
Side = 0.07ft²



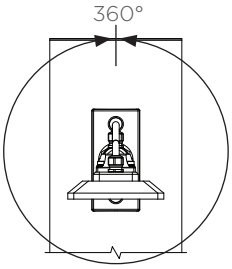
Fixed Mounting (FIX)

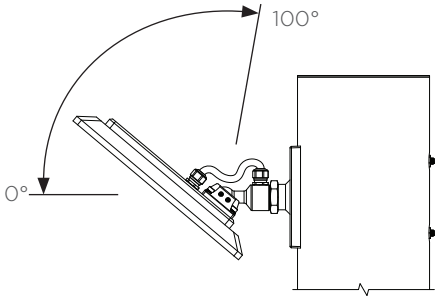


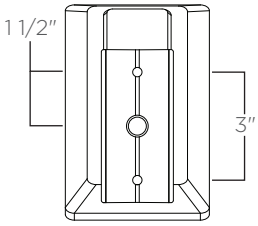




Adjustable Mounting (ADJ)

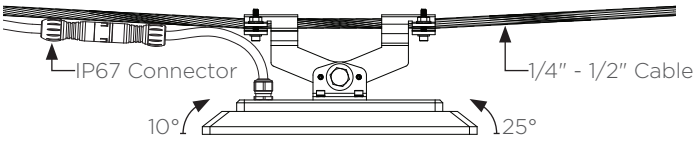




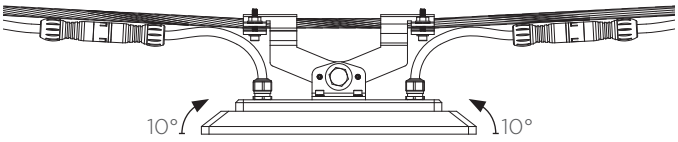


Catenary Mounting

Standalone Entry (CAT/S)

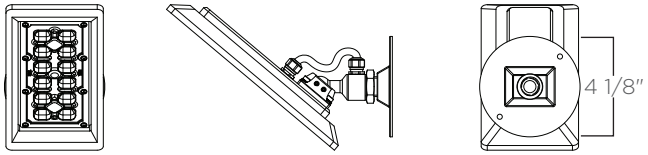


Daisy Chain Setup (CAT/D)

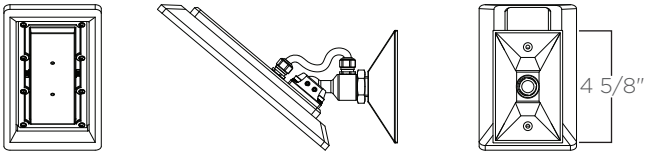


Junction Box Mounting

4" Octagonal Box (J/RND)

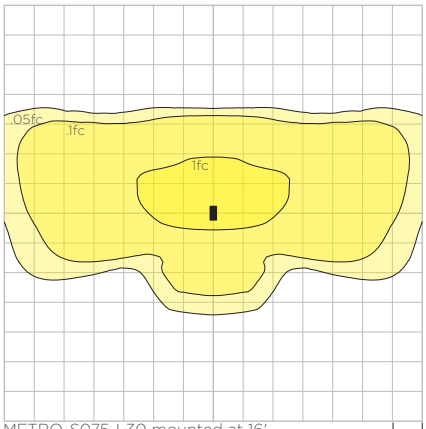


1-Gang Rectangular Box (J/RCT)



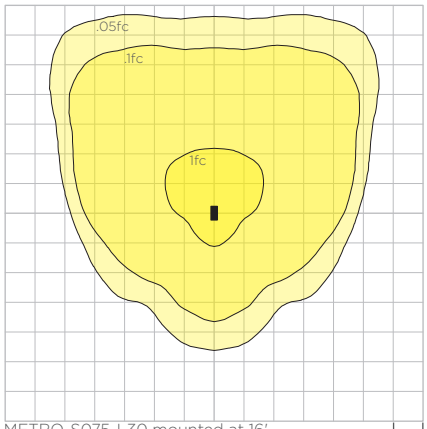
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Type II Distribution



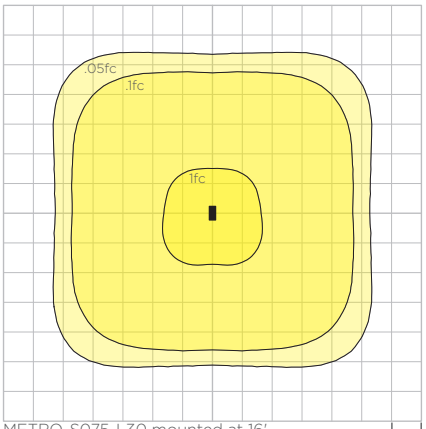
METRO-S075-L30 mounted at 16'
BUG Rating: B1-U0-G1

Type IV Distribution



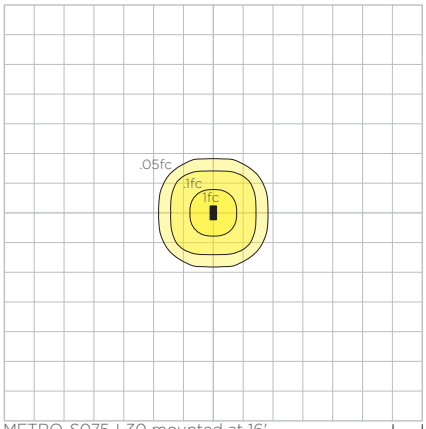
METRO-S075-L30 mounted at 16'
BUG Rating: B1-U0-G2

Type V Distribution



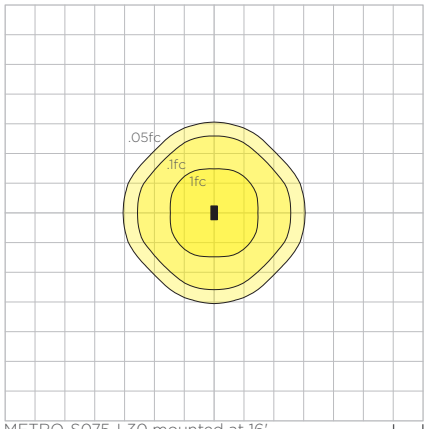
METRO-S075-L30 mounted at 16'
BUG Rating: B2-U0-G1

20° Spot Distribution



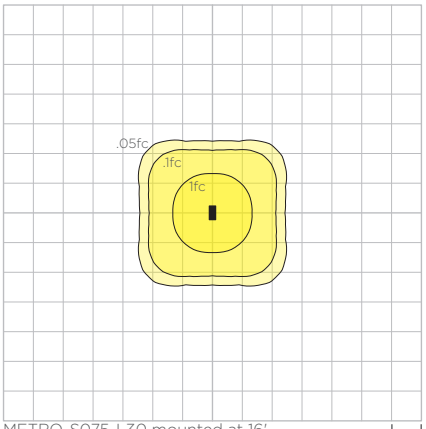
METRO-S075-L30 mounted at 16'
BUG Rating: B3-U0-G0

60° Spot Distribution

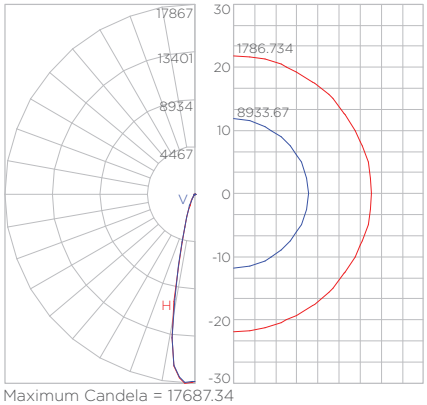


METRO-S075-L30 mounted at 16'
BUG Rating: B3-U0-G0

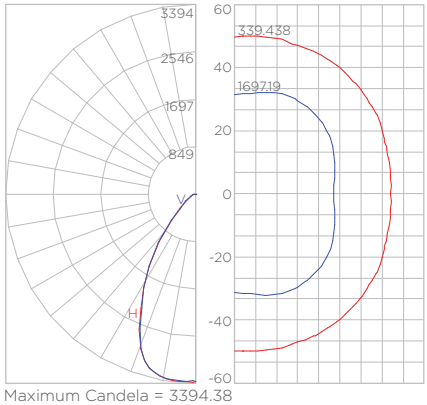
100° Spot Distribution



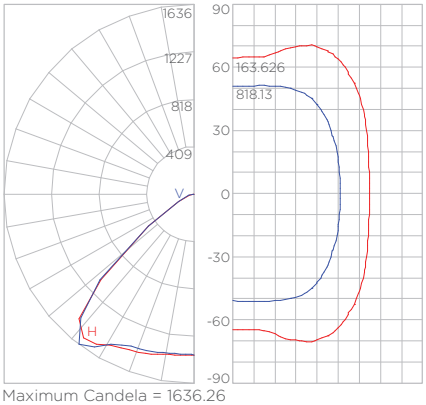
METRO-S075-L30 mounted at 16'
BUG Rating: B2-U0-G0



Maximum Candela = 17687.34
Located at horizontal angle = -1, veritcal angle = -1
H = horizontal axial candela
V = vertical axial candela
50% maximum candela = 8933.67
10% maximum candela = 1786.734



Maximum Candela = 3394.38
Located at horizontal angle = -7, veritcal angle = -7
H = horizontal axial candela
V = vertical axial candela
50% maximum candela = 1697.19
10% maximum candela = 339.438



Maximum Candela = 1636.26
Located at horizontal angle = -7, veritcal angle = -37.5
H = horizontal axial candela
V = vertical axial candela
50% maximum candela = 818.13
10% maximum candela = 163.626

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