



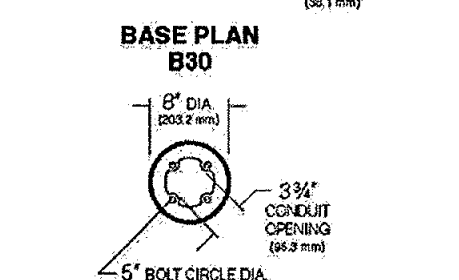
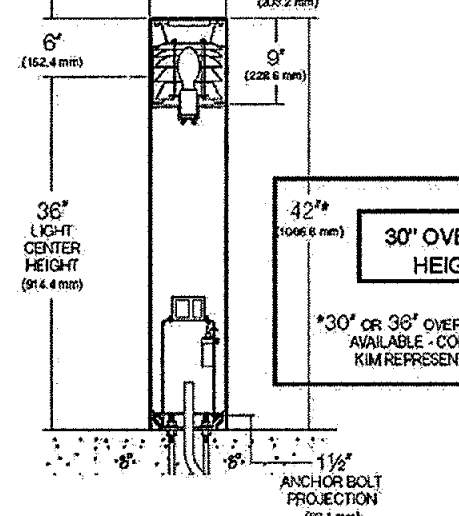
TYPE BL1 B30
High Performance Bollard
revision 11/13/09 • b30.pdf

Type:
Job:
Catalog number:

B30-8R / 42PL / BL / Options
Fixtures Electrical Module Top Cap and Shaft Finish Options
See page 2 See page 3

Specifications
B30 Model
70 to 100 watt
Medium Base Lamps
42 watt Compact Fluorescent

B30
Maximum weight: 30 lb



Base Plan B30
5" BOLT CIRCLE DIA.
(127 mm)

Listings and Ratings
UL cUL 1598¹ IP46 Rated CE 25C Ambient
Non Cut-Off

¹ Suitable for wet locations
KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE

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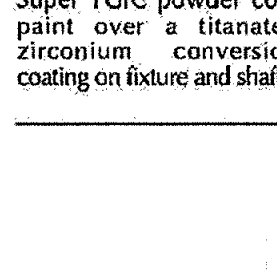
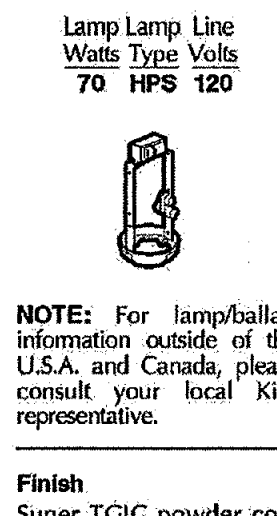
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High Performance Bollard
revision 11/13/09 • b30.pdf

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Standard Features

Fixture	Cat. No. B30-8R High Performance Bollard, 8" Round
Electrical Module	Cat. Nos. for Electrical Modules available:
PMH = Pulse Start Metal Halide	☐ 70PMH120 ☐ 100PMH120 ☐ 70HPS120 ☐ 100HPS120
HPS = High Pressure Sodium	☐ 70PMH208 ☐ 100PMH208 ☐ 70HPS208 ☐ 100HPS208
PL = Compact Fluorescent	☐ 70PMH240 ☐ 100PMH240 ☐ 70HPS240 ☐ 100HPS240
	☐ 70PMH277 ☐ 100PMH277 ☐ 70HPS277 ☐ 100HPS277
	☐ 70PMH347 ☐ 100PMH347 ☐ 70HPS347 ☐ 100HPS347
Lamp Lamp Line	Lamp E-17, Coated E-17, Coated ED-17, Coated ED-17, Coated
Watts Type Volts	Socket Medium Base Medium Base Medium Base Medium Base
ANSI Ballast Type	M-98 M-90 S-62 S-54
	☒ 42PL ¹
Lamp	Compact Fluor.
Socket	GX24q-4
NOTE: For lamp/ballast information outside of the U.S.A. and Canada, please consult your local Kim representative.	
NOTE: 42PL operates one 26, 32, or 42 watt lamp at 120 thru 277 volts (50-60 Hz).	
NOTE: Coated lamps recommended.	
Finish	Color: Black Dark Bronze Light Gray Stealth Gray TM Platinum Silver White Custom Color ¹
	Cat. No. ☒ BL ☐ DB ☐ LG ☐ SG ☐ PS ☐ WH ☐ CC
	Super TGIC powder coat paint over a titanium zirconium conversion coating on fixture and shaft.
	Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description:

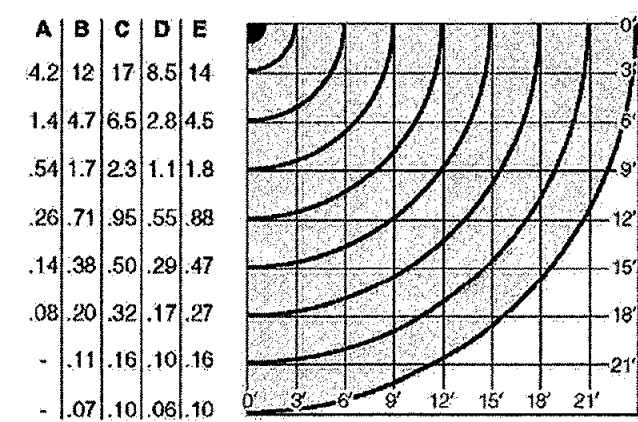
B30

High Performance Bollard

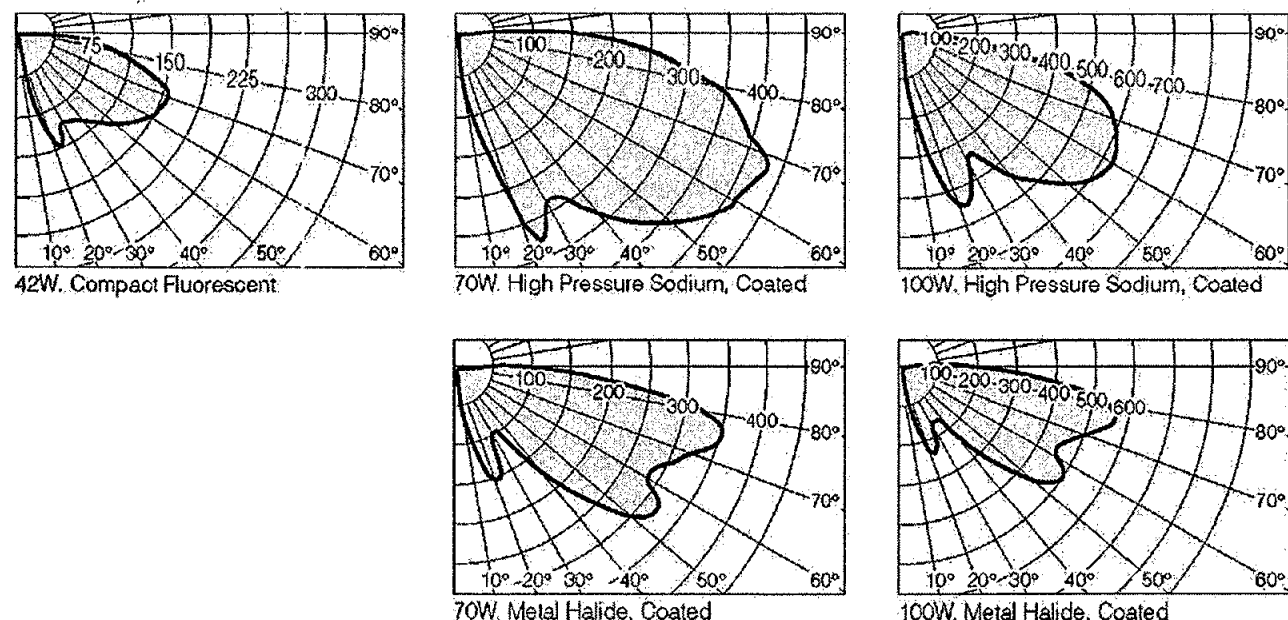
Photometrics

Wattage	Lamp	Initial Lumens
A 42W PL	GX24q-4 Base	2400
B 70W HPS	E-23 1/2 Mogul Base, Coated	5985
C 100W HPS	E-23 1/2 Mogul Base, Coated	8800
D 70W PMH	ED-17 Medium Base, Coated	5900
E 100W PMH	ED-17 Medium Base, Coated	8900

NOTE: The multiplication factor for correction of footcandle and candlepower with optional clear Polycarbonate Enclosure: 0.92



Candela Diagrams

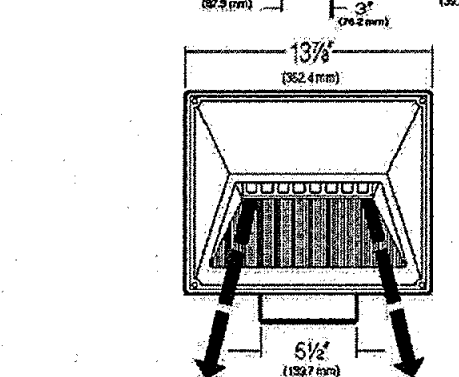
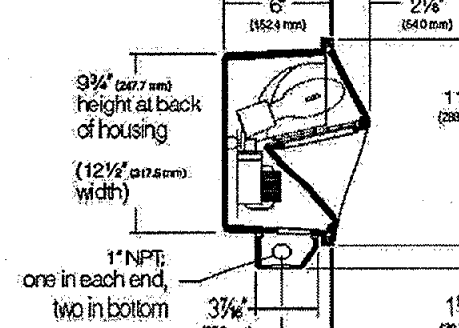


TYPE RP1 LLF-60
Low Level Floodlight; Concealed Lens w/Guard, Symmetric Downward
revision 3/14/08 • llf60.pdf

Type:
Job:
Catalog number:

LLF-60 / 70PMH277 / BL / Options
Fixtures Electrical Module Finish Options
See page 2 See page 3

Specifications
LLF-60 Model
70 to 100 watt
Medium Base Lamps
42 watt Compact Fluorescent



Arrows indicate main thrust of light distribution, in elevation.

Measurements are standard for all LLF fixtures.

Listings and Ratings
UL cUL 1598¹ CE 25C Ambient
IP66 Rated Cut-Off

¹ Suitable for wet locations
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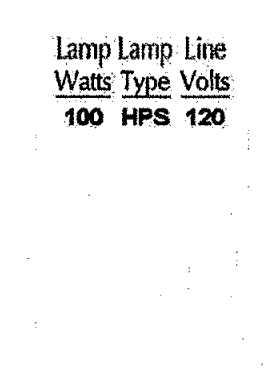
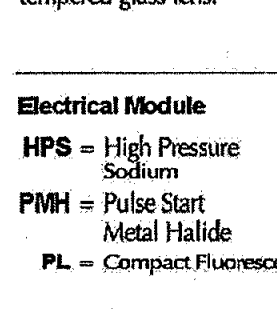


TYPE RP1 LLF-60
Low Level Floodlight; Concealed Lens w/Guard, Symmetric Downward
revision 3/14/08 • llf60.pdf

Type:
Job:
Catalog number:

LLF-60 / 70PMH277 / BL / Options
Fixtures Electrical Module Finish Options
See page 2 See page 3

Specifications
LLF-60 Model
70 to 100 watt
Medium Base Lamps
42 watt Compact Fluorescent



Arrows indicate main thrust of light distribution, in elevation.

Measurements are standard for all LLF fixtures.

Listings and Ratings
UL cUL 1598¹ CE 25C Ambient
IP66 Rated Cut-Off

¹ Suitable for wet locations
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Standard Features

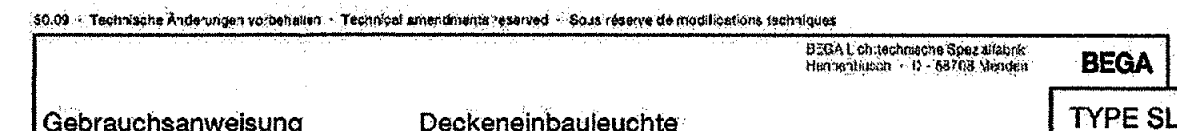
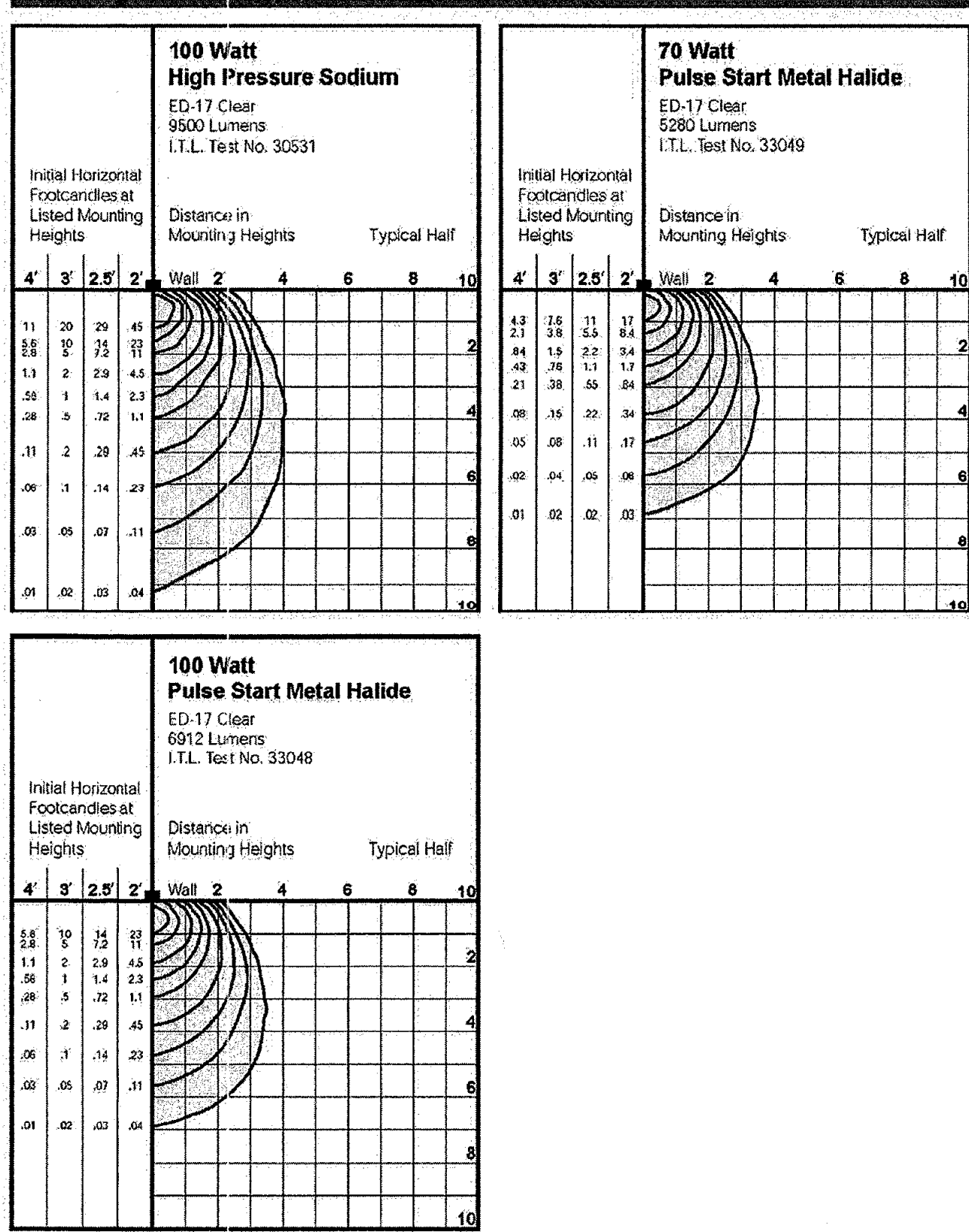
Fixture	Cat. No. LLF-60 Concealed Lens with Guard, Symmetric Downward Light Throw, Wall Mounted. Arrows indicate main thrust of light distribution, in elevation.
Electrical Module	Cat. Nos. for Electrical Modules available:
HPS = High Pressure Sodium	☐ 60HPS120 ☐ 70HPS120 ☐ 100HPS120
PMH = Pulse Start Metal Halide	☐ 60HPS208 ☐ 70HPS208 ☐ 100HPS208
PL = Compact Fluorescent	☐ 60HPS240 ☐ 70HPS240 ☐ 100HPS240
	☐ 60HPS277 ☐ 70HPS277 ☐ 100HPS277
	☐ 60HPS347 ☐ 70HPS347 ☐ 100HPS347
Lamp Lamp Line	Lamp ED-17, Clear ED-17, Clear ED-17, Clear
Watts Type Volts	Socket Medium Base Medium Base Medium Base
ANSI Ballast Type	S-68 S-62 S-54
	☐ 42PL ¹
Lamp	Compact Fluorescent
Socket	GX24q-4 Base
NOTE: 42PL operates one 26, 32, or 42 watt lamp at 120 thru 277 volts.	
Finish	Color: Black ¹ Dark Bronze Light Gray Stealth Gray TM Platinum Silver White Custom Color ¹
	Cat. No. ☒ BL ☐ DB ☐ LG ☐ SG ☐ PS ☐ WH ☐ CC
	Super TGIC powder coat paint over a titanium zirconium conversion coating.
	Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description:

Application Guidelines

Cutoff Area Lighting

LLF-60 Photometrics

NOTE: 42 Watt Compact Fluorescent Photometrics available upon request.

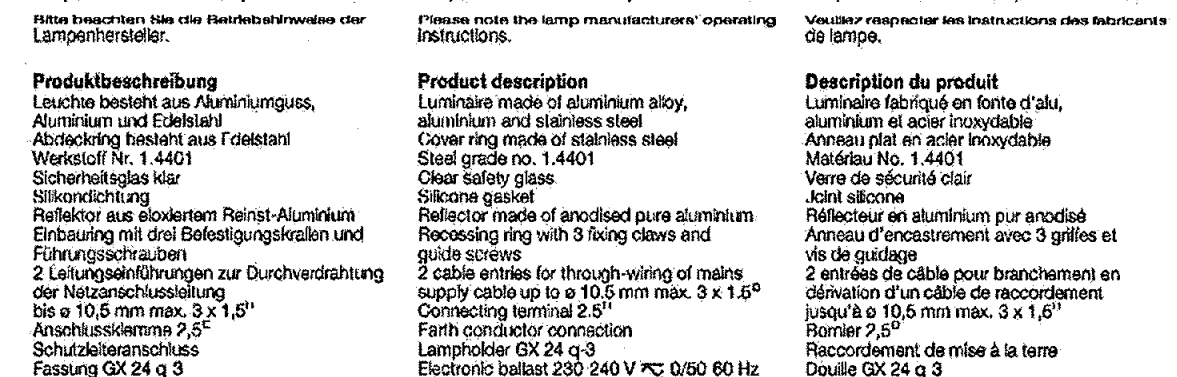


TYPE SL1
Recessed ceiling luminaire
revision 3/14/08 • sl1.pdf

Type:
Job:
Catalog number:

SL1-8R / 70PMH277 / BL / Options
Fixtures Electrical Module Finish Options
See page 2 See page 3

Specifications
SL1 Model
70 to 100 watt
Medium Base Lamps
42 watt Compact Fluorescent



Arrows indicate main thrust of light distribution, in elevation.

Measurements are standard for all SL1 fixtures.

Listings and Ratings
UL cUL 1598¹ CE 25C Ambient
IP66 Rated Cut-Off

¹ Suitable for wet locations
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REVISIONS

Optima Sonoran Village Site Lighting Lighting Fixture Cutsheets

CREATIVE DESIGNS LIGHTING

1900 E Indian School Rd.
Phoenix, Arizona 85016
602.248.7822
602.248.8306 fax
design@cdltx.com

1978 32 2010
YEARS OF EXCELLENCE

DRAWN BY
Nikki H.
CHECKED
Walter Spitz
DATE
August 11, 2010
SCALE
1"=40'-0"
JOB NUMBER
115560-10
SHEET NO.

AL3
88-DR-2010
11/8/13/2010

LAMP INFORMATION										TYPE ST1	MOMOQ 8055A
Lamp	ANSI Code	Watts	Lumens	CRI	°K	Life (hrs.)	Base	Volts			
CP28	69091-REC-3424-1	26	1710	82	3000	12000	GX24q-3	120-347			
CP42	69091-REC-7452-2	39	2200	82	3000	12000	GX24q-3	120-347			
CF42	69091-REC-7442-2	42	3200	82	3000	12000	GX24q-4	120-347			
CF57	69091-REC-7457-1	57	4810	82	3000	12000	GX24q-6	120-347			
HP35C	S78	35	2220	22	1900	16000	medium	120-347			
HP850	S68	50	4000	22	1900	24000	medium	120-347			
HP870	S52	70	6100	22	1900	24000	medium	120-347			
HP890	S84	100	9510	22	2000	24000	medium	120-347			
HP1350	S55	150	10000	22	2000	24000	medium	120-347			
MH3914	M180	39	3300	81	3000	9000	G8.5	120-347			
MH3914	M1139	70	4400	83	3000	9000	G8.5	120-347			
MH3976	M130CP-REMJ	39	3400	83	3000	12,000	G12	120-347			
MH3976	M138P-REMJ	70	6500	82	3000	12,000	G12	120-347			
MH3976	M138P-REMJ	150	14,000	85	3000	12,000	G12	120-347			
MH3976	M146M110	60	4250	82	3000	10,000	medium	120-347			
MH3976	M143M98	70	6200	82	3000	10,000	medium	120-347			
MH3976	M16070	100	9300	85	3000	12,500	medium	120-347			
MH3976	M162M142	150	13,500	85	4000	9000	medium	120-347			
MH1175	M517	176	13,500	85	4000	10,000	medium	120-347			
NOTE: Intolerant quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp distributors.											
NOTE: MH1070, MH1076 & MH1175 are only available with electronic ballasts (EJ)											
ORDERING INFORMATION											
Example Number: 96000A-MH70-250P1-BK											
6000A	MH70	MFL	277	BK						LVR-6	
Series	Distribution *		Voltage		Options		Accessories				
96000A-Base Drive/Output System with 17" XH 100° Floodline Monoco	Jap-Trip		120V-207V		SP-Common Power Cord		Accessories				
Source	NPL-Nature Flood		200V-207V		AXL5-4 Degree Spread Lens in line of standard		Jap-Output Adapter Lens				
Source	NPL-Medium Flood		200V-207V		DL-1, Diffuse Lens in line of standard		Jap-Output Base Shield				
Source	NPL-Wide Flood		200V-207V		FL-Flat Lens in line of standard		Jap-Output Base Shield				
Source	WWW-Web Flood		240V-247V		RSL-Reflected Spread Lens in line of standard		Jap-Output Base Shield				
CS23-277V Compact Fluorescent T1T, G24q-3 Base	NPL-100/277V		Vibe		GO-Super High in line of standard		F7H-Flat Head Output Filter, 6.75 Dia.				
CS23-277V Compact Fluorescent T1T, G24q-3 Base	NPL-100/277V		Vibe		100-Degree Wide in line of standard		F7H-Flat Head Output Filter, 6.75 Dia.				
CS23-277V Compact Fluorescent T1T, G24q-3 Base											

LUMINER®

DESCRIPTION

Coronado 720 is a compact accent flood fixture for use with PAR20 ceramic metal halide lamps. It is fully adjustable from all mounting positions and features a patented locking drum mechanism to ensure positive fixture aiming (U.S. patents 5,713,662 and 5,737,487). Various lensing, gaskets and color or dielectric filters can be combined - up to three at once - to create multiple lighting effects. Luminaire's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

SPECIFICATION FEATURES

A ... Material

Hood is precision machined from corrosion-resistant 6081-T6 aluminum billet. Housing and stem assembly are die-cast aluminum.

B ... Finish

Fixtures are double protected by a chrome-to-silver anodizing and polyester powdercoat paint finish, satisfying the rigorous demands of the outdoor environment. A variety of standard colors are available.

C ... Hood

Hood is removable for easy rumpling and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. Weep holes prevent water and mineral salts from collecting on the lens, even in the straight-up position.

D ... Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

E ... Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

F ... Mounting Stem

Mounting stem is fully adjustable from all mounting positions and features a patented locking drum mechanism to ensure positive fixture aiming (U.S. patents 5,713,662 and 5,737,487). Equipped with standard 1/2" NPT threaded male fitting. Luminaire's exclusive Siphon Protection System (S.P.S.) prevents water from siphoning into the fixture through its own lead wires.

G ... Hardware

Stainless steel hardware to standard to provide maximum corrosion-resistance.

H ... Seeket

Ceramic socket with 250°C Teflon® coated lead wires and medium base.

Catalog # 720-MHSPAR20-27T-EL-MB-BK

Type

TYPE TLT1

Project

Comments

Date

Proposed by

I ... Ballast

Remove core & coil ballast to standard (120V260/240V7347V). Maximum remote mounting distance for a core & coil ballast is 50'. Remote electronic ballast (120V77V) is available as an option by adding the prefix "EL" to the ballast/mounting code. Maximum remote mounting distance for an electronic ballast depends upon the remote mounting distance you may require the use of special low impedance wires, separate conduit runs for lead wires, or other special installation requirements. See ballast manufacturer's installation instructions or contact the factory for remote mounting distance and installation requirements.

J ... Lamp

Not included. Available from Luminaire or, at an accessory - see reverse side of this page.
IMPORTANT NOTE: This fixture accepts PAR20 lamps by all major lamp manufacturers except GE.

K ... Labels & Approvals

UL and cUL listed, standard wet label, IP65 rated. Manufactured to ISO 9001:2000 Quality Systems Standard. ISEW union made. Approved by New York City Dept. of Buildings, Bureau of Electrical Control for use in NYC, NY.

L ... Warranty

Luminaire warrants its fixtures against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts and lamps carry the original manufacturer's warranty.

Coronado 720®

CORONADO

720

30W (max.) PAR20

Metal Halide

Accent/Flood

IP65

Cooper Lighting
www.cooperlighting.com

Specifications and Dimensions subject to change without notice.
Consult your representative for additional options and features.

AD-03-0485
07/05/09 12:07:23 PM

KIM LIGHTING

Type:

Job:

Fixture Catalog number:

CFL1 / 42PL27T / BL

Fixture: Ecological Model: Finish:

See page 2

Fixture Options:

Ordered Separately from Fixture
See page 3

Mounting Options:

Ordered Separately from Fixture
See page 4, 6

TYPE WWM CFL

Compact Floodlight

revision 9/23/99 • cfl.ppt

Approvals:

Date:

Page: 1 of 6

Specifications

Dimensions

CFL Models

50 and 70 watt HID Medium Base Lamps

39 and 70 watt PMH G12 Socket Lamps

13 to 42 watt Compact Fluorescent

60 watt Incandescent

150 watt Halogen

45 watt LED

Maximum weight: 13lb

SIDE

AIMING RANGE

FRONT

LED Assembly

Housing: One-piece die-cast, low copper (<0.6% Cu) aluminum in a cylindrical shape with integral cooling fins over the entire length, and .100" minimum wall thickness. One-piece silicone gasket between housing and lens frame.

Lens Frame: One-piece die-cast, low copper (<0.6% Cu) aluminum with integral cooling fins, .100" minimum wall thickness, mates with housing to create a continuous cylindrical shape. 3/32" thick clear tempered glass lens is sealed to the lens frame by a one-piece stamped silicone gasket. Lens frame secures lens to housing by two stainless steel recessed captive allen-head screws.

Switch: Die-cast aluminum with integral cooling teeth providing 1° adjustment increments and 1/2" NPSM full size brass locknut for mounting. Cast anodized prior to titanium zirconium conversion coating for added corrosion resistance.

Fasteners: Stainless steel, recessed captive allen-head screws. **Reflections:** Specular Alzak® aluminum optical component mounted to aluminum frame.

Socket: 40V porcelain medium base (T10 Incandescent or an HID); 14 Mini-can base (Halogen); 13w GX24-2-pin base, 42w GX24-3-pin base (Fluorescent), G12 socket for 39W PMH and 70W PMH when G12 option is chosen.

Balasts: All electrical components are UL and CSA recognized with labels extending out of the swivel splice compartment. Normal power factor ballast rated 32°F starting (13 watt T10 Tube Fluorescent); High power factor ballast rated 0°F starting (42 watt Triple Tube Fluorescent); Booster - High power factor with starting temperatures of -40°F; for HPS and 20°F; for PMH lamp modes. For PMH/120 volt, a step-up transformer is provided. For HPS/227 volt, a step-down transformer is provided (HID).

LED: A total of 9 LED emitters configured in a rectangular array comprised together as a module. Three (3) modules for 45W version. Available in "Halogen White" (approx 3500K). Emitters are directly attached to the electronic driver.

LED Driver: Constant current electronic driver. Rated for 45W. Available in 120V or 277V input, -40°F starting temperature. All drivers are Underwriters Laboratories recognized.

Finish: Super TGIC thermoset powder coat paint, 2-mil nominal thickness, applied over a titanium zirconium conversion coating. 2500 hour salt spray test endurance rating. Standard colors are Black, Dark Bronze, Light Gray, Stealth Gray, Platinum Silver, or White. Custom colors are available.

CAUTION: Fixture must be grounded in accordance with national, state, and/or local electrical codes. Failure to do so may result in serious personal injury.

Listings and Ratings

UL, CUL 1585R CE IP65 Rated 250 Ambient

Suitable for wet locations.

ALL DIMING RESISTS THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

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600730073

CFL1

TYPE WW1

Wide Flood

42PL Isofootcandle Diagrams

42 watt Compact Fluorescent @ 10° Aiming Angle

0.02	0.03	0.05	0.20
0.05	0.09	0.20	0.50
0.10	0.17	0.39	1.00
0.20	0.35	0.78	2.00
0.49	0.87	1.95	5.00
0.98	1.74	3.91	10.00

Initial Footcandle at Distance X

Longitudinal Distances in Multiples of X
(Use to determine fixture spacing Y.
See page 107)

42 watt Compact Fluorescent @ 25° Aiming Angle

0.02	0.03	0.08	0.20
0.05	0.09	0.20	0.50
0.10	0.17	0.39	1.00
0.20	0.35	0.78	2.00
0.49	0.87	1.95	5.00
0.98	1.74	3.91	10.00

Initial Footcandle at Distance X

Longitudinal Distances in Multiples of X
(Use to determine fixture spacing Y.
See page 107)

42 watt Compact Fluorescent @ 40° Aiming Angle

0.02	0.03	0.08	0.20
0.05	0.09	0.20	0.50
0.10	0.17	0.39	1.00
0.20	0.35	0.78	2.00
0.49	0.87	1.95	5.00
0.98	1.74	3.91	10.00

Initial Footcandle at Distance X

Longitudinal Distances in Multiples of X
(Use to determine fixture spacing Y.
See page 107)

PRORATING CHART

Isofootcandle diagrams shown with 42 watt Compact Fluorescent lamp use the following prorating multipliers for other wattages:

Lamp	Initial Lumens	Factor
42PL	3,200	1.000
32PL	2,400	0.750
28PL	1,600	0.500
19PL	900	0.281

Aiming Angle (A) see individual diagrams

106 KIM LIGHTING

This drawing is an instrument