MEDMASTER™
Patient Room Luminaires
MAC SERIES – SURFACE MOUNT

PRODUCT FEATURES:
- » Surface ceiling mount – 1'×4', 2'×2', 2'×4'
- » Center basket provides indirect ambient lighting
- » Ingress Barrier Door provides consistent surface for cleanability

SPECIFICATIONS

HOUSING: 18-gauge CRS. One-piece seam welded construction. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test 1,000 hours. Reflectance 92%. See Ordering Options for Antimicrobial Finish.

DOORFRAME: Heavy duty extruded aluminum with clear satin anodized finish. Doorframe supported to housing with aircraft cables (IB-AC) to provide NSF2 listing, or an optional continuous hinged doorframe (IB-HD). Select in ordering options below. Phillips head stainless steel fasteners secure door to housing – 8 with IB-AC (1×4, 2×2), 10 with IB-AC (2×4) and 2 with IB-HD (2×2) and 3 with IB-HD (1×4, 2×4). Extruded closed cell gasket seals doorframe to housing.

LENS: .125" clear high impact acrylic. Sealed to extruded aluminum frame with a vinyl gasket.

LAMP SHIELDING: Perforated aluminum basket with pearlescent acrylic diffuser – white TGIC polyester powder coat finish.

ELECTRICAL: <u>LED:</u> Available 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 10-100% range, maximum driver source of 500 µA. <u>LF:</u> Fluorescent electronic ballasts, high power factor (<10% THD.) See Ordering Information for optional equipment. Lamps by others.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, click here.

INSTALLATION: Four .375" diameter holes.

WARRANTY: Limited five (5) year warranty.

LISTINGS: UL and CUL Listed for Wet Location and UL certified IP65 per IEC 60598. NSF2 Splash Zone (IB-AC only).

LED c(UL)us IP65 NSF
IB-AC ONLY

ORDERING INFORMATION (Ex:MAC22-S-1-17-IS-1-120-IB-AC)

Model	Mounting	Lamp Qty/Type	Ballast Type	Ballast Qty	Voltage	Doorframe	Options	Accessories
	S					**IB-**		

Model
MAC14 1'×4'
MAC22 2'×2'
MAC24 2'×4'

Mounting
S Surface

Lamp Type
<u>1×4</u>
67L35K 67 Watt 3500K LED
67L40K 67 Watt 4000K LED
67L50K 67 Watt 5000K LED
1-28 One F28T5
2-28 Two F28T5
1-32 One F32T8
2-32 Two F32T8
1-54 One F54T5HO
1-54A One F54T5HO amalgam
2-54 Two F54T5HO
2-54A Two F54T5HO amalgam

Lamp Type (Cont.)
<u>2×2</u>
45L35K 45 Watt 3500K LED
45L40K 45 Watt 4000K LED
45L50K 45 Watt 5000K LED
1-14† One F14T5
2-14† Two F14T5
3-14† Three F14T5
1-24† One F24T5HO
2-24† Two F24T5HO
3-24† Three F24T5HO
1-17 One 17T8
2-17 Two 17T8
3-17 Three 17T8

Lamp Type (Cont.)
<u>2×4</u>
45L35K 45 Watt 3500K LED
45L40K 45 Watt 4000K LED
45L50K 45 Watt 5000K LED
67L35K 67 Watt 3500K LED
67L40K 67 Watt 4000K LED
67L50K 67 Watt 5000K LED
90L35K 90 Watt 3500K LED
90L40K 90 Watt 4000K LED
90L50K 90 Watt 5000K LED
1-28† One F28T5
2-28† Two F28T5
3-28† Three F28T5
1-32 One F32T8
2-32 Two F32T8
3-32 Three F32T8
1-54 One F54T5HO
2-54 Two F54T5HO

Ballast/Driver Type
IS Instant Start Electronic <10% THD (T8)
RS Rapid Start Electronic <10% THD (T8,T5,T5HO)
SB Specified Ballast
DCC Dimming Constant Current Driver

Ballast Quantity
1 One
2 Two

Voltage
120 120 Volts
277 277 Volts
347 347 Volts (consult factory)
DV 120-277 Volts

Doorframe
AC Ingress Barrier w/Aircraft Cables
HD Ingress Barrier w/Continuous Piano Hinge (not NSF2 listed)

Options
LEL LED Emergency Battery Pack (n/a with 1'×4' fixture)
EL* Standard Lumen One-Lamp EL Pack (347V dry location only)
AMF Antimicrobial Finish on exposed painted surfaces
DLN LED Night Light w/Light Level Control
TN† Night Light – 5/7/9 Watt PL (Lamp supplied by other)
FS Single Fuse & Holder (1 per ballast)
LVC† Low Voltage Controller (See Application Guide or consult factory for switching options)
RF† Radio Frequency Filter (1 per ballast)

Accessories
TH 1/2" Trade Size Threaded Hub
HJ Sealed Wireway

†n/a with 347V
*n/a with LED Lamping

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PERFORMANCE

Model	Lamp Type	Initial Delivered Lumens @ 25°C	Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L$_{70}$ LED Life (Hrs)
MAC14	67L35K	1965	27	72	66	80,000
	67L40K	2095	29	72	66	80,000
	67L50K	2179	30	72	66	80,000
MAC22	45L35K	2547	51	50	94	80,000
	45L40K	2715	54	50	94	80,000
	45L50K	2824	56	50	94	80,000
MAC24	45L35K	2344	47	50	94	80,000
	45L40K	2499	50	50	94	80,000
	45L50K	2599	52	50	94	80,000
	67L35K	3686	50	74	66	80,000
	67L40K	3929	53	74	66	80,000
	67L50K	4086	55	74	66	80,000
	90L35K	4688	48	98	94	60,000
	90L40K	4998	51	98	94	60,000
	90L50K	5198	53	98	94	60,000

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available.
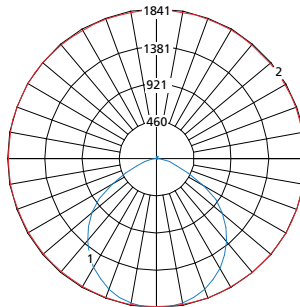Visit www.kenall.com for additional information.

Model: MAC14-S-67L40K-DCC-DV-IB-AC
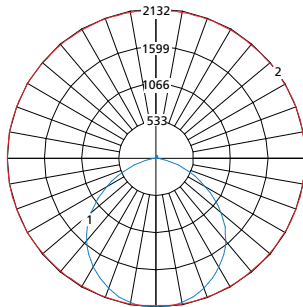
Maximum Candela = 841 Located At Horizontal Angle = 15, Vertical Angle = 5

— 1 - Vertical Plane Through Horizontal Angles (15-195) (Through Max. Cd.)
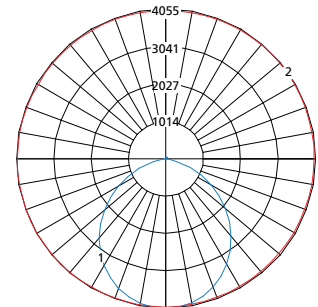— 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: MAC22-S-45L40K-DCC-DV-IB-AC

Maximum Candela = 1086 Located At Horizontal Angle = 330, Vertical Angle = 5

— 1 - Vertical Plane Through Horizontal Angles (330-150) (Through Max. Cd.)
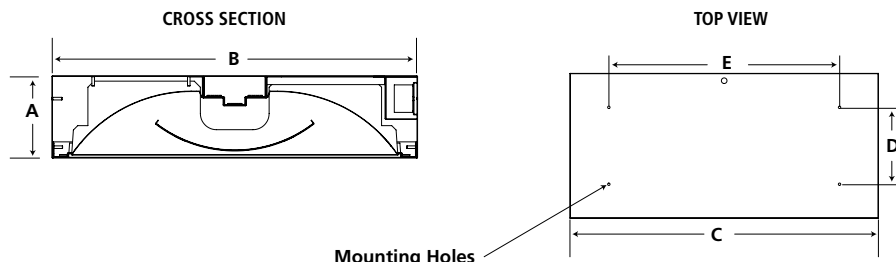— 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: MAC24-S-90L40K-DCC-DV-IB-AC

Maximum Candela = 2008 Located At Horizontal Angle = 210, Vertical Angle = 5

— 1 - Vertical Plane Through Horizontal Angles (210-30) (Through Max. Cd.)
— 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

CROSS SECTION

TOP VIEW

Mounting Holes

DIMENSIONAL DATA (IN INCHES)

	A	B	C	D	E
1×4 T5	5.13	10.60	32.00	4.25	46.60
1×4 T8/LED	5.13	10.60	32.00	4.25	48.12
2×2 T5	5.56	22.60	12.00	12.00	22.60
2×2 T8/LED	5.56	22.60	12.00	12.00	24.12
2×4 T5	5.56	22.60	36.00	12.00	46.60
2×4 T8/LED	5.56	22.60	36.00	12.00	48.12

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