

# CM2426 Series

## Area/Parking/Industrial

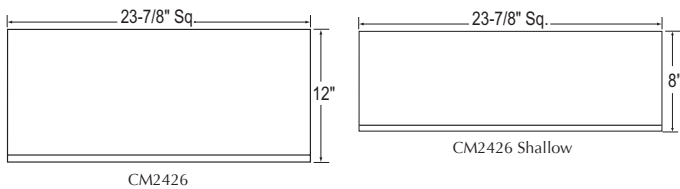
CFL, HID, LED, INDUCTION

Surface Mount

Symmetrical/Asymmetrical Distribution

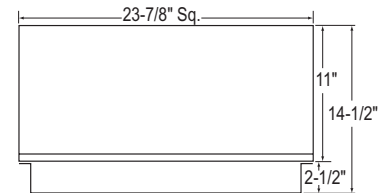
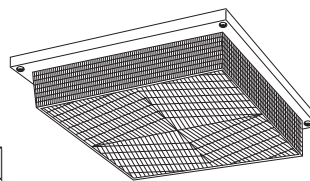
We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		



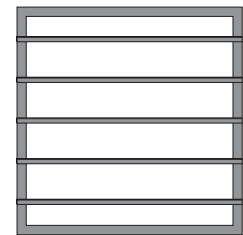
### SPECIFICATIONS

- BALLAST** — For Compact Fluorescent Electronic Cold Weather HPF is Standard. For HID Pulse Start is Standard. Optional High Temperature Electronic Ballast operates from -30°C up to 90°C max case temperature.
- GASKETING** — High temperature, non-aging black EPDM and/or neoprene rubber concealed in housing pocket.
- HOUSING** — Formed Aluminum with Concealed Hinge—Finished in oven baked Polyester Powder Coat.
- LAMP** — Compact Fluorescent: Triple Twin Tube (TTT); Super Bright White LED; Medium Base Metal Halide - SUPPLIED BY OTHERS; Warm White Light, High System Efficacy Ceramic Metal Halide— by Philips; Osram® Sylvania ICE or QL Induction.
- LENS** — #85 .156" thick clear, tempered glass lens secured in a hinged, gasketed frame. Optional #81 .156" K12 prismatic polycarbonate, #86 or #92 clear polycarbonate, #93 .156" C73 prismatic tempered glass.
- LENS FASTENERS** — Stainless steel tamperproof screws (4) to secure lens in place.
- MOUNTING** — Surface Mount
- REFLECTOR** — .032 textured aluminum for high efficiency and reduce arc tube voltage rise
- SOCKET** — 4 KV rated medium base porcelain with 16 gage 200° C—SF-2 lead wires.
- UL/ULC Listed to U.S. and Canadian safety standards - suitable for wet locations.



Shown with optional Drop Square Diffuser

LAMP TYPE/QTY/WATTAGE <sup>1</sup>			
Fixture		CM2426	CM2426 Shallow
<b>Dimensions - W x H x D</b>		<b>23<sup>7</sup>/<sub>8</sub>" x 23<sup>7</sup>/<sub>8</sub>" x 12"</b>	<b>23<sup>7</sup>/<sub>8</sub>" x 23<sup>7</sup>/<sub>8</sub>" x 8"</b>
<b>Compact Fluorescent Twin Tube</b>	TT	(3, 4 or 5)39/40/50/55w	(3, 4 or 5)39/40/50w
<b>Compact Fluorescent Triple Twin Tube</b>	TTT	(4 or 5)57w; (4)70w	(4)57/70w
<b>Metal Halide</b>	MH	200/250/320w	200/250/320w
<b>Ceramic Metal Halide Philips - Elite™</b>	CMHE	210/315w (277V Standard) <sup>1</sup>	210/315w (277V Standard) <sup>1</sup>
<b>QL Induction <sup>4</sup></b> Up to 100,000 HR Lamp Life	QL	(1 or 2)85w; (1)165w	85/165w
<b>ICE Induction <sup>4</sup></b> Up to 100,000 HR Lamp Life	ICE <sup>4B</sup>	(1 or 2)70/100/150w	(1 or 2)70/100/150w
<b>Light Emitting Diode</b>	LED	60/80/125w	60/80/125w



Shown with optional Wire Guard

### ORDERING GUIDE:

<b>SERIES</b>	<b>LAMP TYPE/WATT</b>	<b>COLOR TEMP</b>	<b>VOLTAGE/POWER</b>	<b>FINISH</b>	<b>OPTIONS</b>

#### NOTES:

- Consult Factory with requests regarding lamp sources, including LED, color temp., wattages or voltages not shown.
- Lamping system is warranted by Osram and Philips for 40,000 HOURS.
- QRS: 120v Only—Lamp by Others
- ICE (2)150W uses (2)100W ICE Lamps with 150W IND HF Generator, thus producing 11,000 Lumens Per Lamp

#### SERIES

CM2426 = CM2426 SERIES  
CM2426-S = CM2426 SHALLOW SERIES

#### LAMP TYPE/QUANTITY/WATTAGE

Refer to Above Chart

#### COLOR TEMP (LED, Induction)

3K = ±3000K range Induction Only  
4K = ±4000K range Induction Only  
5K = ±5000K range LED or Induction

#### VOLTAGE

120 = 120 Volts HPF  
240 = 240 Volts HPF  
277 = 277 Volts HPF  
347 = 347 Volts HPF  
EBU = Universal Voltage (120 thru 277v)  
QV = 120/208/240/277 Volts HPF

#### POWER FACTOR

EB = High Power Factor Electronic Ballast (1, 2, 3 or 4)  
EBHT = Extreme Temp (-30° to +90° C) Electronic Ballast Programmable Start (1, 2, 3 or 4)  
EBMH = Electronic Ballast for Metal Halide  
IND = HF Generator - Induction

#### FINISH

BK = Black Finish  
BZ = Bronze Finish  
CC = Custom Color (Consult Factory)  
WH = White Finish (Standard)

#### LENS OPTIONS

#81 = .156 K12 Prismatic Polycarbonate  
#85 = .156 Clear Tempered Glass (Standard)  
#86 = .250 Clear Polycarbonate  
#92 = .187 Clear Polycarbonate  
#93 = .156 C73 Prismatic Tempered Glass

#### OPTIONS

DP = Drop Pyramid Diffuser  
DS = Drop Square Diffuser  
FUS = Single Fusing  
DFUS = Double Fusing  
QRS = Quartz Restrike Relay <sup>5</sup>  
RG = Remote Generator (Osram Only)  
DIM = Dimming Ballast  
SDIM = QL165 Induction 50% Step Dimming  
WG = Wire Guard - extruded aluminum

#### LED OPTIONS

BL = Dual Circuit Bi-Level Lighting Switched High/Low  
EC1 = (1) Three Watt LED for Emergency Circuits  
EC2 = (2) Three Watt LED for Emergency Circuits  
LDIM = 0-10V low-voltage dimming (100-30% Standard, Consult Factory for Other)

# PHOTOMETRIC DATA:

# CM2426 Series

LSI test # 20607 CM2426-QL-(1)165W-277  
with white interior and clear flat glass lens

Test Date: 11/03/05

		Coefficients of Utilization								
PCC>		90%			70%			50%		
Room Cavity Ratio	PW>	70%	50%	30%	70%	50%	30%	50%	30%	
	0	122	122	122	116	116	116	111	111	
	1	113	109	105	108	104	101	100	97	
	2	104	97	91	100	93	88	90	85	
	3	96	86	78	91	83	76	80	74	
	4	88	77	68	84	74	67	72	65	
	5	82	69	60	77	66	58	64	57	
	6	75	61	52	71	59	51	58	51	
	7	68	55	46	65	53	45	51	44	
	8	63	49	41	60	48	40	47	39	
	9	59	45	36	56	44	36	42	35	
10	54	41	32	52	39	32	38	31		

Rm. Percentage = 20%; PCC = Ceiling Reflectance;  
PW = Wall Reflectance

Zonal Lumen Summary			
Zone	Lumens	%Lamp	%Luminaire
0-30	1703	27.96	27.96
0-40	2818	46.28	46.28
0-60	5128	84.20	84.19
0-90	6091	100.01	100.00
40-90	3272	53.73	53.72
60-90	962	15.81	15.81
90-180	0	0.00	0.00
0-180	6091	100.01	100.00

**Efficiency: 100.1%**

