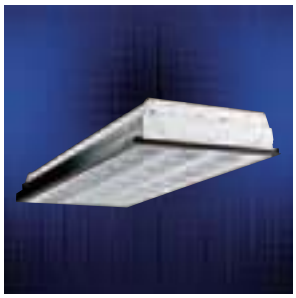
COOPER LIGHTING - METALUX®



2P5GAX SERIES

1' x 2', 1' x 4', 2' x 2', 2' x 4', 20" x 24" or 20" x 48" Parabolic 1, 2 or 3 Lamp Parabolic Louver

PARALUX V RECESSED AIR SUPPLY PRECISION CUT-OFF TROFFER

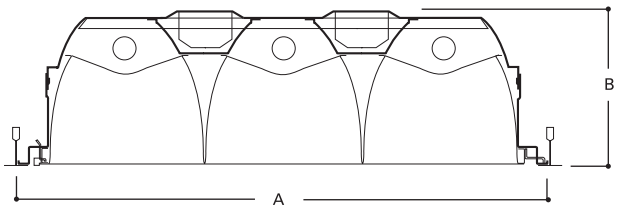
PC 2™

- Equipped with energy saving ballast/complies with federal energy efficiency standards
- Computer designed, precision cell louver technology
- Louver designed to eliminate objectionable glare in the VDT screen
- Low iridescent louver minimizes iridescence
- Field convertible feature
- Floating louver/black reveal
- Efficient air handling options
- **DLS** Dimming Ballasts are available
- End plate grid-lock feature [1]
- For information on flanged fixture, including ceiling opening size, see Technical Section.
- UL/CUL Listed. Suitable for damp locations.

DESCRIPTION

The Paralux V series features a proprietary "Total Light Control System" that has been designed to eliminate glare reflections in VDT screens by suppressing high angle brightness. Meets today's lighting standards. The luminaire incorporates a precision cut-off parabolic louver in a para-contoured fixture housing. This system complies with RP-1 and meets today's lighting and energy manage-ments standards. The series is compatible with all of today's popular ceiling systems. The Paralux V, PCl2 series is the solution for computer environ-ments and open office areas.

DIMENSIONS



NOMINAL SIZE	A	B
1' x 2'	11-3/4" (298mm)	7" (178mm)
1' x 4'	11-3/4" (298mm)	7" (178mm)
2' x 2'	23-3/4" (603mm)	6-1/8" (156mm)
2' x 2' (8 cell)	23-3/4" (603mm)	6-3/4" (171mm)
2' x 4'	23-3/4" (603mm)	6-1/8" (156mm)
2' x 4' (18 cell)	23-3/4" (603mm)	6-5/8" (168mm)
20" x 24"	19-3/4" (502mm)	6-1/8" (156mm)
20" x 48"	19-3/4" (502mm)	7-3/8" (502mm)

ORDERING INFORMATION

SAMPLE NUMBER: 2P5GAX-332S39MI-120V-EB81-U

HM= Hard Metric

HR=Heat Removal [1]
HRDO=Heat Removal Damper Open
HRDC=Heat Removal Damper Closed

Width
2'=2' width
Blank=1' width or 20" width

P=Paralux Louver

5=5" Louver Depth

Trim Type
G=Grid/Lay-in – Standard
G or **T**=Concealed T
G or **T**=Slot Grid [2]
F=Flange Trim
MZ=Modular Trim
Convertible Fixture Standard G (Grid) Type-Fixtures can be field converted to T-option or vice-versa.[3] Fixture also adaptable with flanged or modular trims.

AX=Air Supply Floating Louver
X=Blank Side/Floating Louver - Non-Air Supply (Omit A)
AVX=Air Supply Floating Louver with Directional Air Vane (Add V)

Number of Lamps
1, 2 or **3** lamps
(Not included)

Wattage (Length)
17=17W T8 (24")
U15/8=31W T8 (24")
BX40=40W Biaxial (24")
32=32W T8 (48")

Louver Color
S=Silver

Cell Configuration*
(See below for Louver Options)

Louver Finish
MI=Specular/Mirrored (Low Iridescent)
VDT=VDT Soft Semi-Specular/Haze (Low Iridescent)
WB=White & Black Longitudinal Louver Blades (Specular/Mirrored Cross Blades) 1x4 only
WBVDT=White & Black Longitudinal Louver Blades (VDT Soft Semi-Specular/Haze Cross Blades) 1x4 only

WW
Wall Wash

Voltage [4]
UNV=Universal Voltage 120-277 [5]
347V=347 Volt

Options
GL=Single Element Fuse
GM=Double Element Fuse
WTR=White Reveal
Lamps - for lamps installed, see lamp options table
Flex - for flex installed, see flex ordering table
Emergency - for EM installed, see EM options table

Ballast Type [4]
Blank=Standard Magnetic Ballast (Biax & 20W)
EB5_=T5 Biax Electronic Instant Start. Total Harmonic Distortion < 20%
  No. of Ballast 1, 2 or 3
LE3=T12 Magnetic Energy Saving
EB2_=T12 Electronic Rapid Start.
  No. of Ballast 1 or 2
ER8_=T8 Electronic Program Rapid Start. Total Harmonic Distortion < 10%
  No. of Ballast 1, 2 or 3
EB8_=T8 Electronic Instant Start. Total Harmonic Distortion < 10%
  No. of Ballast 1, 2 or 3
EB8_/PLUS=T8 Electronic Instant Start. High Ballast Factor >1.13. Total Harmonic Distortion < 20%
  No. of Ballast 1, 2 or 3
TEB5_=T5 Biax Electronic Instant Start. Total Harmonic Distortion < 10%
  No. of Ballast 1, 2 or 3
DLS=Digital Lighting System Dimming
(For complete details on generic or to specify manufacturer's ballast see pg. 469)

Options
(See Options Section)

Packaging
U=Unit Pack
PAL=Job Pack, out of carton
PALC=Job Pack, in carton

PRODUCT INFORMATION FOR PARALUX V

Housing Size	Lamp Quantity	Louver Cell Configuration*	Number of Cells
1' x 2'	1 or 2	**14**	4
1' x 4'	1 or 2	**19**	9
2' x 2'	2	**24**	8
	3	**34**	12
20" x 24"	2	**24**	8
20" x 48"	2	**29**	18
2' x 4'	2	**29**	18
	3	**39**	27

*Example: 39= 3 rows of 9 (27 cells)

NOTES: [1] Integral end plate grid lock feature not available in heat removal. [2] An EQ Grid Clip is recommended for all 9/16" ceiling systems. [3] Convertibility applies to housing only, appropriate shielding media assemblies must be utilized. [4] Products also available in non-US voltages and frequencies for international markets. [5] Not available when specifying emergencies, voltage must be specific.

For complete product data, reference the Fluorescent Specification binder. Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

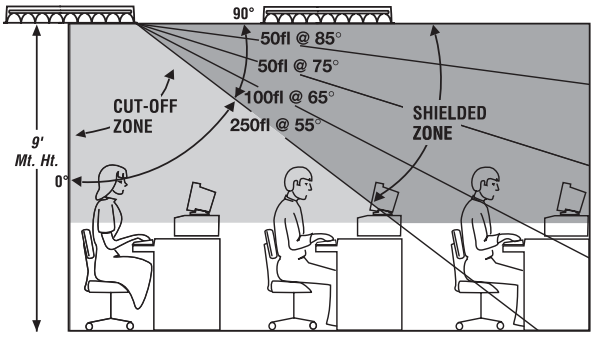
PERFORMANCE INFORMATION

RP-1 1ST LEVEL

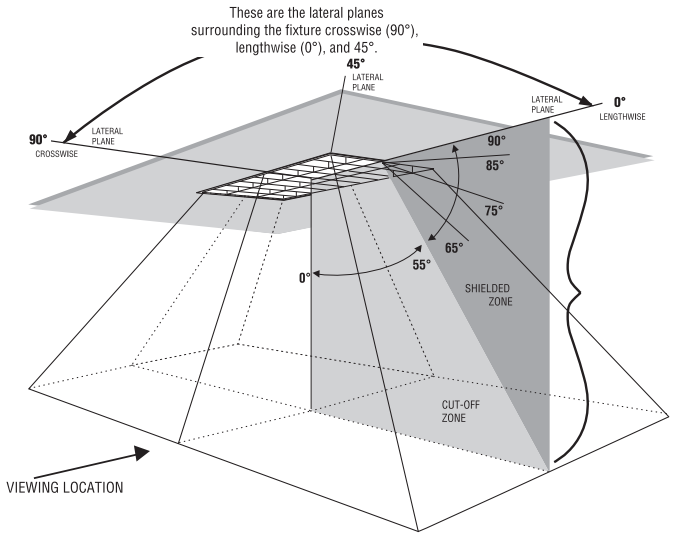
The concept of RP-1 is simple; by suppressing high angle brightness, reflected glare will be avoided in the VDT screen at the normal tilt angle. The 1st level sets the toughest standard.

The 1st level or preferred level states that the average luminance brightness in the lengthwise (0°), crosswise (90°) and 45° lateral planes should not exceed the following:

Candelas/M²	Footlamberts (English)
850 Candela/sm at 55° from vertical	250 fl at 55° from vertical
350 Candela/sm at 65° from vertical	100 fl at 65° from vertical
175 Candela/sm at 75° from vertical	50 fl at 75° from vertical
175 Candela/sm at 85° from vertical	50 fl at 85° from vertical



This view of the ceiling and room space illustrates the vertical plane with vertical angles (light/dark grey area) from 0° to 90° in the 0° (lengthwise) lateral plane. Notice the light grey areas. This is where the Metalux Precision Parabolic bends the light into a confined cut-off-zone, 0° to 55°, (1st level). Now notice the dark grey areas. This is where the light is restricted in the shielded zone, thus eliminating high angle brightness (glare) in the VDT screen.

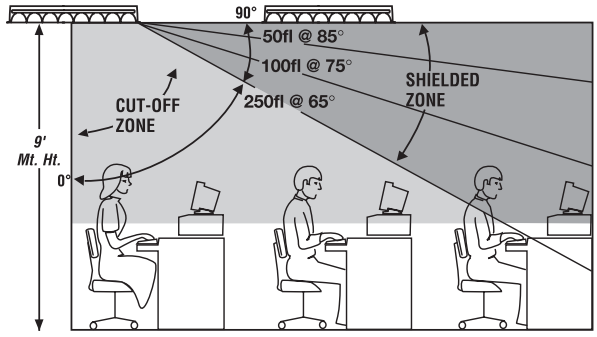


RP-1 2ND LEVEL

The 2nd level is relaxed. It is suitable for areas where intermittent computer work stations exist.

The 2nd level states that in no case shall the luminance brightness exceed the following in the lengthwise (0°), crosswise (90°) and 45° lateral planes:

Candelas/M²	Footlamberts (English)
850 Candela/sm at 65° from vertical	250 fl at 65° from vertical
350 Candela/sm at 75° from vertical	100 fl at 75° from vertical
175 Candela/sm at 85° from vertical	50 fl at 85° from vertical



This view of the ceiling and room space illustrates the vertical plane with vertical angles (light/dark grey area) from 0° to 90° in the 0° (lengthwise) lateral plane. Notice the light grey areas. This is where the Metalux Precision Parabolic bends the light into a confined cut-off-zone, 0° to 65°, (2nd level). Now notice the dark grey areas. This is where the light is restricted in the shielded zone, thus eliminating high angle brightness (glare) in the VDT screen.