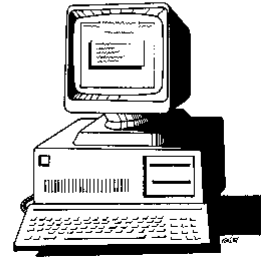


# P Category Lighting



## PROGRAM FEATURES

- ? Accepts photometric i-table data directly from disk in the standard CIE/SAASTAN format
- ? Installation parameters such as mounting height, arrangement, upcast angle, offset distance etc. can all be easily varied to suit your application
- ? Able to use multiple i-table files in the one run to easily compare performance of luminaires
- ? Results can be selectively produced for lighting categories P1 to P5 for Local Roads and P1 to P8 for Pathways(Cycleways)
- ? Produces a tabulated result of calculated Light Technical Parameters with maximum spacings shown
- ? Light Technical Parameter can be user defined if required
- ? Tabular display can be output to a printer or saved to a file
- ? Context sensitive Help available at virtually all points in the program
- ? Calculations performed and displayed in accordance with AS/NZS 1158.3.1-2005
- ? Your company name can be input into the program for display on all output
- ? Able to view/print the I-table as on file or with azimuth/elevation angles shown
- ? Able to calculate the Upward Waste Light Ratio
- ? Program is included at no extra charge with the main Perfect Lite software package
- ? Full back-up and support in Australia

## COMPUTER SYSTEM REQUIREMENTS

- ? IBM or compatible PC running Windows 95, 98, NT, 2000, XP, Vista or Windows 7
- ? Supported on 32bit and 64bit PC operating systems
- ? inkjet or laser printer (for hard copy output only)

For further information please contact:

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Perfect Lite - P Category Lighting - AS/NZS 1158.3.1:2005

File View Spacing Table Tools Help

I-Table File Name: C:\SourceCode\PlePcat\LUM2.CIE  
 Initial Lamp Flux: 3800 lms Maintenance Factor: 0.7 Upcast Angle: 5 °  
 Luminaire Description: Sample Minor Road Luminaire  
 Lamp Wattage and Type: 80 Watt Mercury Vapour Light Source: MV  
 Stores Code:

**LOCAL AREA ROADS**

Job Name:

Lighting Category:

User Defined LTPs:  ---> Eav:  lx Eph:  lx Up:

Arrangement:

Offset Distance:  m [\* = 1/4 Road Reserve; & = 1/2 Road Reserve]

Mounting Height Range:  m to:  m in increments of:  m

Road Reserve Range:  m to:  m in increments of:  m

List LTP's for each maximum spacing  Show Illuminance values over grid

Input fields to be filled to produce a spacing table.

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Lighting Category: P4 \*\*\* User Defined LTPs as below \*\*\*

Illuminance Criteria: Minimum Illuminance (Eph) >= 0.14 lux  
 (Maintained values) Average Illuminance (Eav) >= 0.85 lux  
 Illuminance Uniformity (Up) <= 10

Calculation Grid: 20 x 11 points - Figure 3.7 of AS/NZS 1158.2

Mounting Height                      Maximum Spacing for different Road Reserve Widths

Mounting Height	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0
6.5	49.8	49.1	48.4	47.6	46.9	46.2	42.7	38.3	34.5	29.7	21.6
7.5	53.9	53.3	52.6	51.8	51.0	50.3	49.3	45.3	40.7	36.7	30.9

Value/s in above table are all in metres.  
 The table contains maximum spacings which, for the specified luminaire and lamp combination, provide compliance with the user defined light technical parameters (LTPs) nominated above.

Refer next page for list of LTP's at compliant maximum spacings.

Refer following page/s for illuminance values at grid points.

[ 24 pages, if printed ]

Resulting spacing table display in a scrollable window. Results can also be printed.