
TAOS DECO

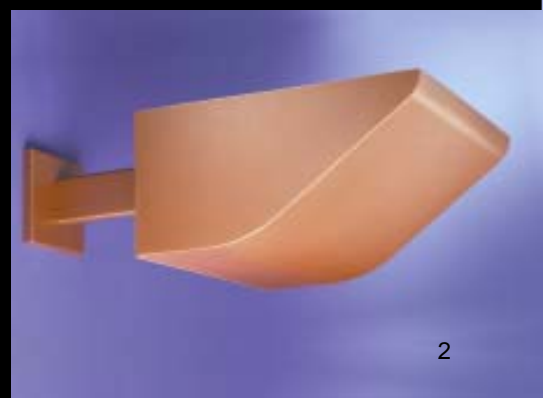
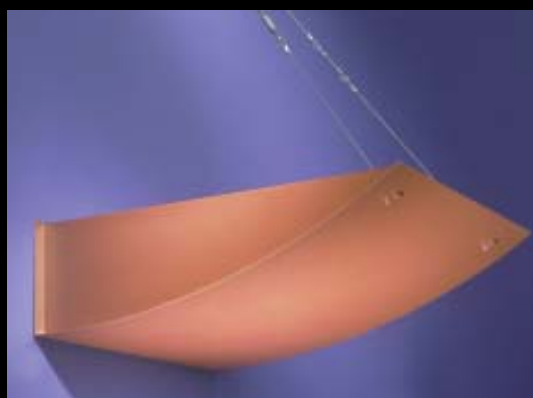
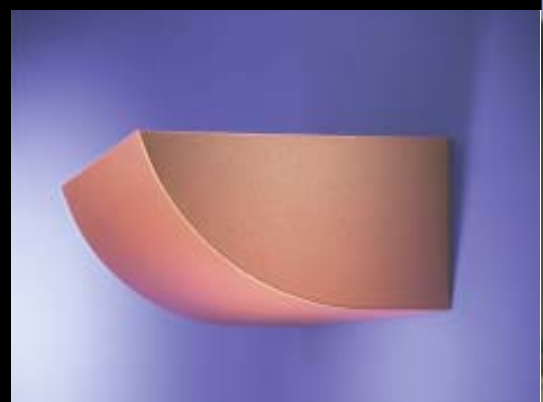
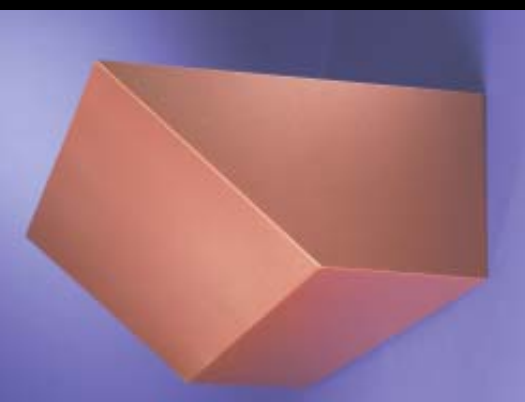
*Interior Architectural Luminaires
Quartz Halogen, Compact Fluorescent & HID*



Innovative solutions to lighting challenges



TAOS DECO





TAOS DECO REPRESENTS THE LATEST DESIGN IN ARCHITECTURAL ENCLOSURES THAT CONCEAL AN INDIRECT LIGHTING INSTRUMENT. INTENDED TO OBSCURE, YET NOT INHIBIT THE PERFORMANCE OF THE REFLECTOR ASSEMBLY, TAOS DECO EMPLOYS THE HIGHEST QUALITY CONSTRUCTION AND MATERIALS. INCLUDED IS INSIGHT'S NEW COMPUTER DESIGNED REFLECTOR CHASSIS THAT GUARANTEES CONSISTENT ACCURATE PERFORMANCE OF THE SYSTEM BEYOND CONVENTIONAL DESIGN. A MYRIAD OF VARIATIONS AND CONFIGURATIONS COMPLIMENT THIS FAMILY OF HIGH PERFORMANCE LIGHTING AND VERSATILE DESIGN.

MISSION STATEMENT

INSIGHT LIGHTING BELIEVES IN THE INTEGRITY OF PRODUCT AND LIGHTING DESIGN. OUR MISSION IS TO DEVELOP INNOVATIVE NEW PRODUCTS TO ASSIST OUR CUSTOMERS IN MEETING THEIR LIGHTING CHALLENGES. BY CREATING FUNCTIONAL, AESTHETIC AND ENERGY CONSCIOUS PRODUCTS, WE STRIVE TO ENHANCE THE APPEARANCE AND PERFORMANCE OF A WORKING ENVIRONMENT.

INSIGHT LIGHTING - THERE IS NO SUBSTITUTE FOR INTEGRITY.

Ordering Information

Compact Fluorescent (Integral Electronic Ballasts)

- D(X)574** (1)-CF26 DTT, CF32 TT, CF42 TT (PL-T, GX24q-4)
- D(X)583** (1)-CF40W LTT (2G11)
- D(X)585** (1)-CF50W LTT (2G11)
- D(X)587** (1)-CF55W LTT (2G11)
- D(X)589** (1)-CF80W LTT (2G11)
- D(X)593** (2)-CF40W LTT (2G11)
- D(X)595** (2)-CF50W LTT (2G11)
- D(X)597** (2)-CF55W LTT (2G11)

Quartz Halogen

- D(X)501** (1)-Q500 Maximum (T4, Mini-Can)

Ceramic Metal Halide

- D(X)522** (1)-70W CMH (T6, G12)
- D(X)523** (1)-100W CMH (T6, G12)
- D(X)527** (1)-150W CMH (T6, G12)

Electronic CMH Ballasts Are Available. See **EB** Under Options.

Metal Halide

- D(X)540** (1)-70W MH (E17, Med)
- D(X)541** (1)-100W MH (E17, Med)
- D(X)542** (1)-150W/175W MH (E17, Med) - Specify Wattage
- D(X)921** (1)-175W MH (ED28, POMB)
- D(X)922** (1)-250W MH (T15, ET18, POMB)
- D(X)923** (1)-400W MH (T15, ET18, POMB)
- D(X)982** (1)-250W MH (ED28, POMB)
- D(X)983** (1)-400W MH (ED28, POMB)
- D(X)2921** (2)-175W MH (ED28, POMB)
- D(X)2922** (2)-250W MH (T15, ET18, POMB)
- D(X)2923** (2)-400W MH (T15, ET18, POMB)
- D(X)2982** (2)-250W MH (ED28, POMB)
- D(X)2983** (2)-400W MH (ED28, POMB)

1000W available, contact factory for details

See "Taos Deco" shape selections below.

Replace prefix **D(X)** with: **DC, DL, DS, DW** or **DF** (EX: DC574).

Prefix ①

- WBR** Wall Mount - Remote CMH & MH Ballasts
- IBB** Wall Mount - Integral CMH & MH Ballasts
- EXA** Extended Arm Mount - Remote CMH & MH Ballasts
- EXB** Extended Arm Mount - Integral CMH & MH Ballasts
- 22-X** Twin Fixture Cluster - Remote CMH & MH Ballasts*
- 22B-X** Twin Fixture Cluster - Integral CMH & MH Ballasts*
- 44-X** Quad Fixture Cluster - Remote CMH & MH Ballasts* **
- 44B-X** Quad Fixture Cluster - Integral CMH & MH Ballasts * **
(Not Available With DX2921-2983)

All fluorescent ballasts are integral electronic.

* X = Stem length

** For aircraft cable, specify "AC" (EX: 44-AC-48")

Mounting ②

- 1** 120V
- 2** 277V
- 7** 347V

Quartz Halogen available in 120V only

Voltage ③

- W** Semi-Gloss White
- BL** Semi-Gloss Black
- BR** Semi-Gloss Bronze
- N** Semi-Gloss Natural
- S** Semi-Gloss Satin
- SF** Specify Finish (See color chart)
- CC** Custom Color (Contact factory)
- NF** No Finish

For textured finishes add "T" to finish selection
(EX: TW = Textured White)

Finish ④

- SS** Adjustable Sawtooth Shield
- LB** Fixed Linear Baffle
- WPG** Wire Paper Guard
- CF** Colored Lens (Contact factory for colors) #
- EB** Electronic Ceramic Metal Halide Ballast
(Integral ballast only)
- DM** Fluorescent Dimming Ballast
- QL** Quartz Restrike-Hot/Cold Start (Q50W max. for DX522-542, Q100W max. for DX900 products)
- QEM** Emergency Quartz Lamp Socket (Q50W max. for DX522-542, Q100W max. for DX900 products)
- F** GLR Fuse Holder (Consult factory)
- CM-X** Column Mount (X = Column diameter. Contact factory for minimum column diameter)
- RV** Reveal
(Not available with EXA & EXB mount)
- AL** Aluminum Enclosure
- ST** Brushed Stainless Steel Enclosure
(Specify **NF** for no finish from the finish listing above)

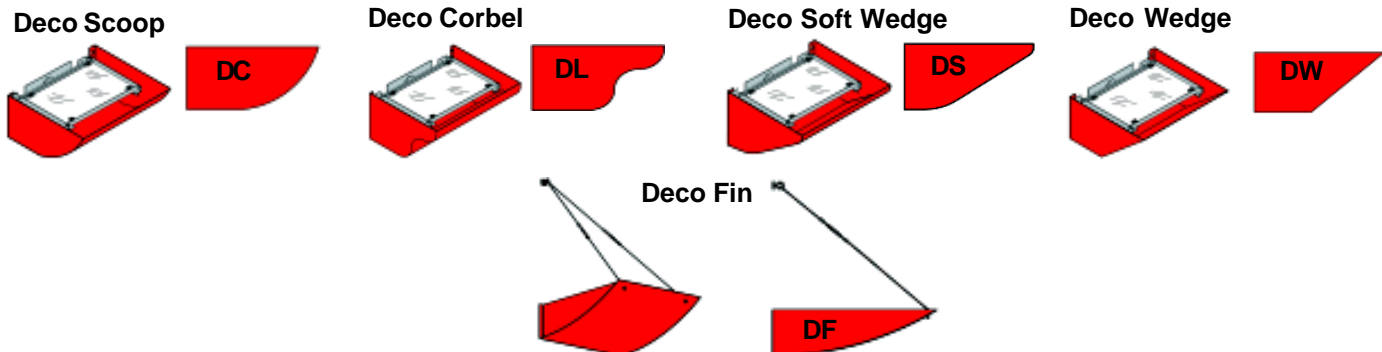
Contact factory for use of colored lens with the D(X)593-597 products

Contact Factory For Exterior Applications

Options ⑤

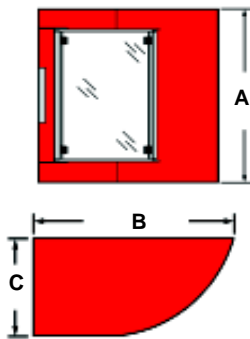
Ordering Example:
DC522 / IBB / 1 / NF / ST
① ② ③ ④ ⑤

Deco Shape Selections



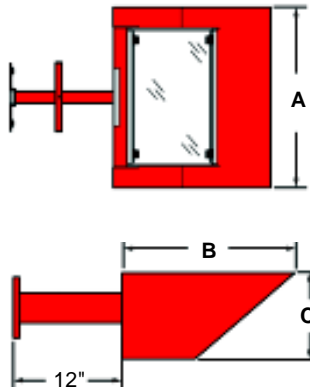
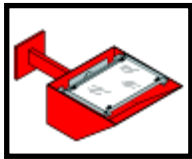
Mounting Information

Wall Mount - WBR (Remote Ballast) & IBB (Integral Ballast)



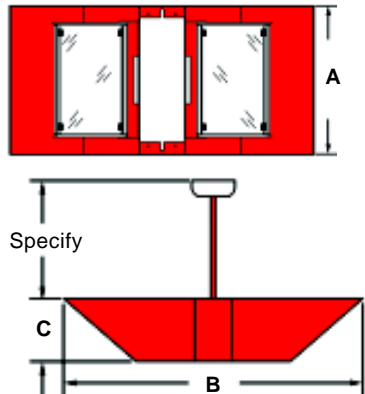
Housing & Fixture Type	WBR Mount			IBB Mount		
	A	B	C	A	B	C
DC, DL, DS, DW 501 & 574	N/A	N/A	N/A	12.00"	10.50"	5.75"
DC, DL, DS, DW 522-542	12.00"	10.50"	5.75"	18.50"	17.50"	8.50"
DC, DL, DS, DW 583-597	N/A	N/A	N/A	27.00"	10.50"	5.75"
DC, DL, DS, DW 921-983	18.50"	17.50"	8.50"	23.25"	18.50"	11.00"
DC, DL, DS, DW 2921-2983	31.00"	17.50"	8.50"	45.00"	18.50"	11.00"
DF 501 & 574	N/A	N/A	N/A	18.00"	21.00"	6.00"
DF 522-542	18.00"	21.00"	6.00"	21.00"	24.50"	7.00"
DF 583-597	N/A	N/A	N/A	29.00"	21.00"	6.00"
DF 921-983	21.00"	24.50"	7.00"	24.00"	28.00"	8.00"
DF 2921-2983	33.00"	24.50"	7.00"	48.00"	28.00"	8.00"

Extended Arm - EXA (Remote Ballast) & EXB (Integral Ballast)



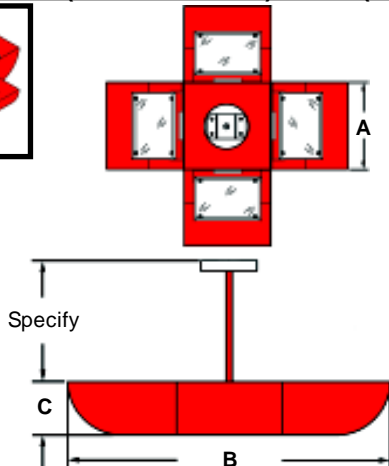
Housing & Fixture Type	EXA Mount			EXB Mount		
	A	B	C	A	B	C
DC, DL, DS, DW 501 & 574	N/A	N/A	N/A	12.00"	10.50"	5.75"
DC, DL, DS, DW 522-542	12.00"	10.50"	5.75"	18.50"	17.50"	8.50"
DC, DL, DS, DW 583-597	N/A	N/A	N/A	27.00"	10.50"	5.75"
DC, DL, DS, DW 921-983	18.50"	17.5"	8.50"	23.25"	18.50"	11.00"
DC, DL, DS, DW 2921-2983	31.00"	17.50"	8.50"	45.00"	18.50"	11.00"
DF 501 & 574	N/A	N/A	N/A	18.00"	21.00"	6.00"
DF 522-542	18.00"	21.00"	6.00"	21.00"	24.50"	7.00"
DF 583-597	N/A	N/A	N/A	29.00"	21.00"	6.00"
DF 921-983	21.00"	24.50"	7.00"	24.00"	28.00"	8.00"
DF 2921-2983	33.00"	24.50"	7.00"	48.00"	28.00"	8.00"

Twin Cluster - 22 (Remote Ballast) & 22B (Integral Ballast)



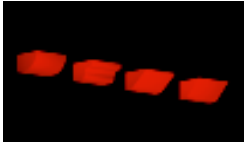
Housing & Fixture Type	22 Mount			22B Mount		
	A	B	C	A	B	C
DC, DL, DS, DW 501 & 574	N/A	N/A	N/A	12.00"	25.00"	5.75"
DC, DL, DS, DW 522-542	12.00"	25.00"	5.75"	18.50"	39.00"	8.50"
DC, DL, DS, DW 583-597	N/A	N/A	N/A	27.00"	25.00"	5.75"
DC, DL, DS, DW 921-983	18.50"	39.00"	8.50"	23.25"	41.00"	11.00"
DC, DL, DS, DW 2921-2983	31.00"	39.00"	8.50"	45.00"	41.00"	11.00"
DF 501 & 574	N/A	N/A	N/A	18.00"	46.00"	6.00"
DF 522-542	18.00"	46.00"	6.00"	21.00"	53.00"	7.00"
DF 583-597	N/A	N/A	N/A	29.00"	46.00"	6.00"
DF 921-983	21.00"	53.00"	7.00"	24.00"	60.00"	8.00"
DF 2921-2983	33.00"	53.00"	7.00"	48.00"	60.00"	8.00"

Quad Cluster - 44 (Remote Ballast) & 44B (Integral Ballast)



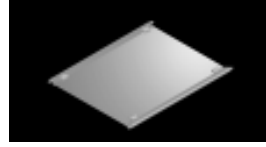
Housing & Fixture Type	44 Mount			44B Mount		
	A	B	C	A	B	C
DC, DL, DS, DW 501 & 574	N/A	N/A	N/A	12.00"	33.00"	5.75"
DC, DL, DS, DW 522-542	12.00"	33.00"	5.75"	18.50"	53.50"	8.50"
DC, DL, DS, DW 583-597	N/A	N/A	N/A	27.00"	48.00"	5.75"
DC, DL, DS, DW 921-983	18.50"	53.5"	8.50"	23.25"	60.25"	11.00"
DC, DL, DS, DW 2921-2983	N/A	N/A	N/A	N/A	N/A	N/A
DF 501 & 574	N/A	N/A	N/A	18.00"	60.00"	6.00"
DF 522-542	18.00"	60.00"	6.00"	21.00"	70.00"	7.00"
DF 583-597	N/A	N/A	N/A	29.00"	71.00"	6.00"
DF 921-983	21.00"	70.00"	7.00"	24.00"	80.00"	8.00"
DF 2921-2983	N/A	N/A	N/A	N/A	N/A	N/A

Specifications



Taos Deco Enclosure: Constructed from 18 gauge cold rolled steel, die formed and continuous seam welded, ground and smoothly blended to a blemish free exterior. Optional aluminum and brushed stainless steel materials are available, see 'AL' and

'ST' under the options list. Enclosure features simple installation, allowing full adjustability and tool-less relamping without the removal of the enclosure.



Lens: A micro-prismatic tempered glass lens is provided for all quartz, metal halide, one lamp DTT and one lamp TT compact fluorescent luminaires. Long twin tube luminaires are provided with an internal wire paper guard. All lenses are secured

into an anodized extruded aluminum doorframe. Die cast doorframe latches hinge in either direction, allowing for tool-less relamping. Colored lenses are available. See 'CF' under options list.



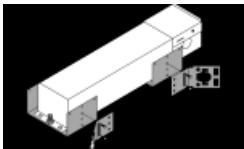
Luminaire/Reflector: Die formed, highly efficient reflector systems constructed of 95% specular anodized peened aluminum. Reflector can be easily adjusted in field by rotating to desired position while illuminated and tightening internal fastener of lamp

housing. Innovative reflector chassis guarantees the designed performance of the reflector, enhancing the longevity of the entire Taos Deco system.



Finish: All painted surfaces are pretreated and powder coated to 3 mil thick. Standard painted finishes are available in both semi-gloss and textured white, black, bronze, natural and an additional 20 colors. Refer to the Insight color palette. Optional brushed

stainless steel material is available.

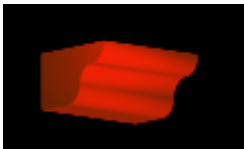


Electrical: All fluorescent ballasts are standard integral, electronic, high power factor, thermally protected. Optional dimming ballasts are available for fluorescent products, see 'DM' under options list. Metal halide fixtures can be provided with either

remote or integral encased and potted, thermally protected F-can, high power factor magnetic ballasts. Optional electronic ballasts are available for ceramic metal halide products, see 'EB' under options list.

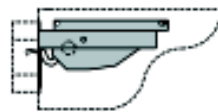


Labels: Luminaires are UL and CUL approved for damp locations. Contact factory for exterior applications.

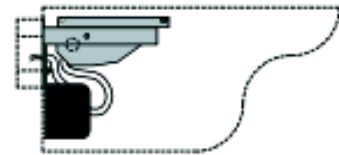


Wall Bracket Fixture and Taos Deco enclosure mount to a standard 4-0 J-box (by others). No exposed hardware or wiring, yet luminaire is fully adjustable, even after installation. Additional structural support (by others) is required.

Remote Ballast

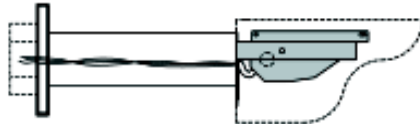


Integral Ballast

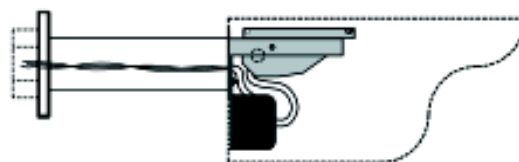


Extended Arm Mount: Fixture and Taos Deco enclosure mount to a 1" x 3" steel arm and a 6" x 6" wall plate. A cover plate conceals access to splicing in j-box (by others). No exposed hardware or wiring, yet luminaire is fully adjustable, even after installation. Additional structural support (by others) is required.

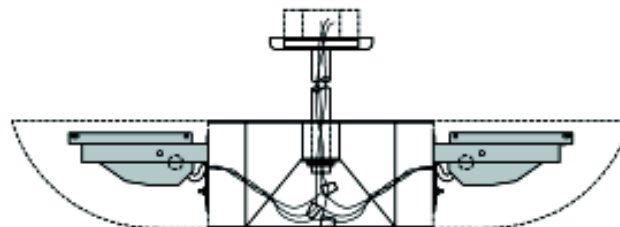
Remote Ballast

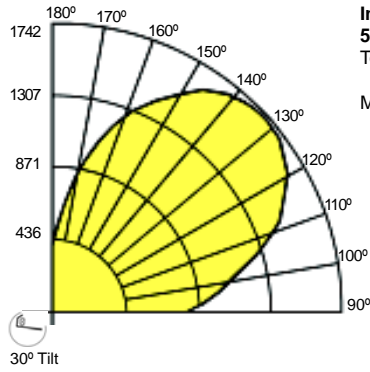


Integral Ballast



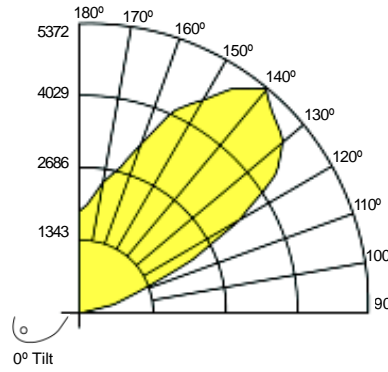
Suspended Clusters: Stem suspended clusters are provided with 1/2" diameter steel stems concealing wiring. Cable suspended clusters are provided with 3/32" diameter aircraft cables, utilizing cable grippers that provide tool-less adjustment. Ceiling canopies are painted white unless otherwise specified.





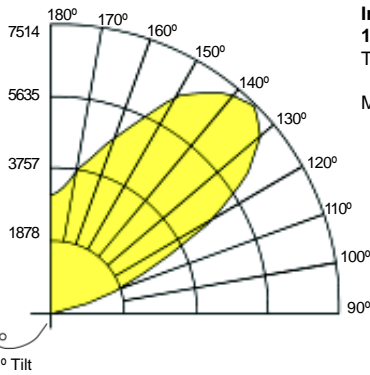
**Indirect Polar Curve For D(X)587
55W Long Twin Tube Fluorescent**
Total Luminaire Efficiency = 73.2%

Multipliers:
40W LTT Fluor. 3,150 Lumens X 0.66
50W LTT Fluor. 4,000 Lumens X 0.83
55W LTT Fluor. 4,800 Lumens X 1.00
80W LTT Fluor. 6,000 Lumens X 1.25



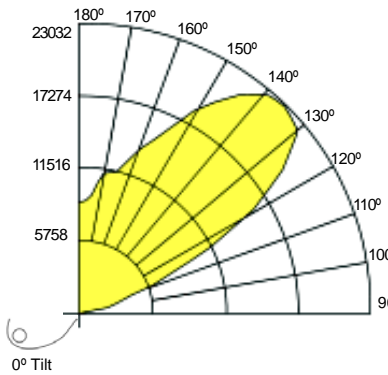
**Indirect Polar Curve For D(X)501
500W Quartz Halogen**
Total Luminaire Efficiency = 82.7%

Multipliers:
75W QH 1,200 Lumens X 0.12
100W QH 2,500 Lumens X 0.26
150W QH 2,800 Lumens X 0.29
250W QH 5,000 Lumens X 0.51
500W QH 9,800 Lumens X 1.00



**Indirect Polar Curve For D(X)527
150W Ceramic Metal Halide**
Total Luminaire Efficiency = 81.8%

Multipliers:
70W CMH 6,600 Lumens X 0.47
100W CMH 9,000 Lumens X 0.64
150W CMH 14,000 Lumens X 1.0



**Indirect Polar Curve For D(X)923
400W Metal Halide**
Total Luminaire Efficiency = 82.8%

Multipliers:
175W MH 14,000 Lumens X 0.35
250W MH 21,000 Lumens X 0.53
400W MH 36,000 Lumens X 0.90
400W MH POMB 40,000 Lumens X 1.00

Corridor Area Application

10' Wide by 30' Long by 9' Ceiling Height
Catalog Number: D(X) 585/IBB/X/SF

Lighting Calculation Results:

Ceiling Illuminance = 34.82 Avg. Maintained Fc
Uniformity Ratio = 4.5 : 1 Max/Min
Illuminance at Floor = 28.96 Avg. Maintained Fc
Floor Uniformity Ratio = 1.75 : 1 Max/Min

Lamp Data Per Luminaire:

(1)-50 Watt LTT Fluorescent Lamp
Initial Lamp Lumens = 4,000
Light Loss Factor = 0.82

Luminaire Mounting Locations:

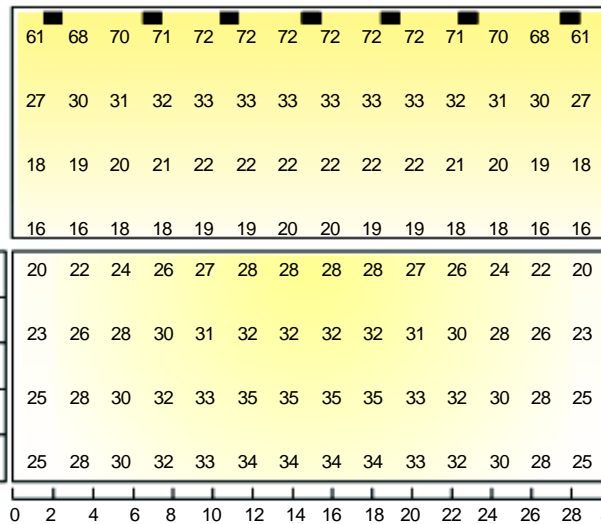
7' 6" Above Finished Floor
Single-Side Spacing = 4' On Center

Corridor Reflectances:

Ceiling = .8, Walls = .5, Floor = .2

Multipliers:

40 Watt LTT Fluorescent 3,150 Lumens X 0.79
50 Watt LTT Fluorescent 4,000 Lumens X 1.00
55 Watt LTT Fluorescent 4,800 Lumens X 1.20
80 Watt LTT Fluorescent 6,000 Lumens X 1.50



Ceiling

Floor

Barrel Vault Ceiling Area Application

30' Wide by 30' Long, Ceiling = 16' at Wall and 20' at Peak
Catalog Number: D(X)922/WBR/X/SF

Lighting Calculation Results:

Illuminance Along Ceiling = 35.82 Avg. Maintained Fc
Ceiling Uniformity Ratio = 5.9 : 1 Max / Min
Illuminance at 2.5 Feet Workplane = 28 Avg. Maintained Fc
2.5 Feet Workplane Uniformity Ratio = 1.52 : 1 Max / Min

Lamp Data Per Luminaire:

(1)-250 Watt T-15 Metal Halide Lamp
Initial Lamp Lumens = 21,000
Light Loss Factor = 0.72

Luminaire Mounting Locations:

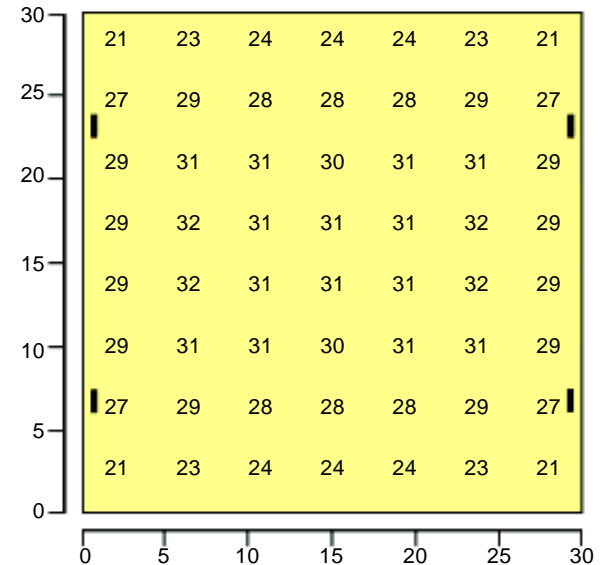
14' Above Finished Floor
Spacing on Center = 15 Feet (Four Total)

Room Reflectances:

Ceiling = .8, Walls = .5, Floor = .2

Multipliers:

175 Watt MH 14,000 Lumens X .667
250 Watt MH 21,000 Lumens X 1.0
400 Watt MH 36,000 Lumens X 1.71
400 Watt POMB 40,000 Lumens X 1.91



I N S **I** G H T 

INSIGHT LIGHTING

4341 FULCRUM WAY

RIO RANCHO, NM 87124

505.345.0888

FAX: 505.345.3838

WEB: INSIGHTLIGHTING.COM



Photos by Brett Drury Architectural Photography

